Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

January 5, 1959

Chemicals Legislative Outlook Page 3

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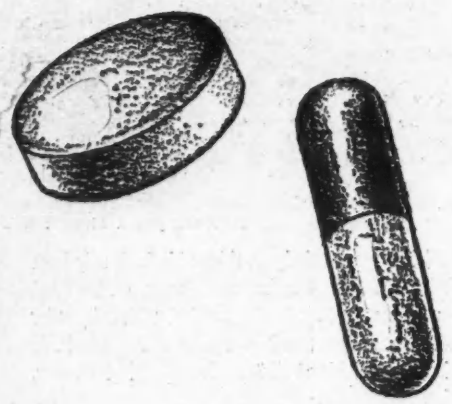

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Oil, Paint and Drug Reporter

Vol. 175 No. 1 30 Church St., New York 7, N. Y. January 5, 1959

CHEMICALS LEGISLATION

Congressional Outlook for Industry Bills

	PURPOSE	PROSPECTS
Air Pollution	To extend federal air pollution act beyond present termination date of June 30, 1960, and strengthen federal regulation.	**GOOD. Recommended by Public Health Service and endorsed by recent National Air Pollution Conference.**
Color Additives	To provide tolerances for coaltar and other synthetic and natural colors.	**GOOD. New bill being drawn to meet the objections of Food and Drug Administration against last year's proposal.**
Contract Renegotiation	To extend the life of this law beyond next June 30, its expiration date.	**UNCERTAIN. Business organizations are demanding that the law be allowed to lapse, but there is a strong liberal movement in congress to make it permanent.**
Cosmetic Additives	To provide for the safety of chemicals used in cosmetics.	**DOUBTFUL. No action likely until congress first has a chance to consider color additives legislation.**
Drug Research	To create committee of experts to conduct continuing study of roles of government, industry, etc., in support of medical research.	**DOUBTFUL. Proposed by drug industry, but congress unfamiliar with problem and will need educating.**
Functional Discounts	To require sellers to grant functional discounts to all customers.	**DOUBTFUL. Strongly opposed by Department of Justice and Federal Trade Commission, as well as chemical and other industries.**
Hazardous Chemicals	To require ingredient labeling and antidotes for household chemicals.	**UNCERTAIN. Industry and American Medical Association at odds on proper scope of legislation.**
Minerals	Various proposals to support domestic mining industry.	**DOUBTFUL. Wide schism between government and miners and among congressmen over type and extent of supports.**
Mergers	To require advance notice of mergers involving $10 million in assets.	**GOOD. New liberal political complexion in congress greatly improves outlook.**
Narcotics	To give government strict control over manufacture and sale of all narcotics.	**GOOD. Bill passed house last year and has united support of industry and Bureau of Narcotics.**
Natural Gas	To exempt independent producers from federal regulation.	**POOR. Coal industry opposition plus city congressmen and liberals probably can block bill.**
Price Discrimination	To limit use of "good faith" defense in price discriminations.	**UNCERTAIN. Pro-little business bloc plus new liberal members have improved outlook.**
Safety	To grant aids to states in setting up safety programs for industry.	**UNCERTAIN. Similar legislation in earlier congresses failed to get out of committee.**
Science	To set up Department of Science.	**DOUBTFUL. Establishment of a new National Council for Science and Technology appears to cut the ground from under advocates of Cabinet status for science.**
Taxes	To encourage foreign investments.	**UNCERTAIN. Wide differences in industry and government views on methods reduce chances.**
Trademarks	To deny American affiliates of foreign producers same right to bar brand imports as enjoyed by other US trademark owners.	**UNCERTAIN. Bill to be sponsored by government, but will run into industry opposition.**
Wages	To increase minimum wage to $1.25 hour.	**UNLIKELY. Southern conservative control of key house committees probably will bottle it up.**

Chemical Industry Seen Hurt In a Liberal-Thinking Congress Unless It Keeps On the Alert

Come noon Wednesday, when the eighty-sixth-congress convenes for its first session, the American chemical industry will have to start keeping an extra-wary eye on the actions of the lawmakers. Old-time Washington observers are quick to point out the frightening fact that the complexion of this new congress is definitely more liberal than has been the case in recent years. For that reason the chemical business and its many trade associations are expected to go on a constant alert against well-meaning attempts to write consumer-interest legislation that fails to give proper consideration to the needs of business.

SHAWINIGAN'S NEW PRESIDENT: Hugh S. Sutherland, elevated from executive vice-president to president of Shawinigan Chemicals, Ltd., Montreal, Canada, succeeding the late Dr. R. S. Jane.

A wide-awake attitude will be especially important, it is thought, for this session promises to be one of the most active, from the standpoint of regulations affecting the chemical industry, of any in a long time.

Dozen Chemical Matters Foreseen

At least a dozen matters touching the industry at some point or another can be counted on to make an appearance (see accompanying box) and three of these—color additives, labeling of hazardous chemicals and a proposed Department of Science—will be demanding the industry's closest attention.

The real trend of things to come may be a little slow in unfolding because it will be necessary for both the senate and house to organize this time by re-establishing their standing and special committees, assigning new members to the committees of their choice and laying out the work of the session.

This may take two or more weeks, depending upon whether a promised fight to liberalize the rules of both legislative bodies materializes.

Outlook for the three major bills of interest to the chemical industry is uncertain at this time. While they are not new to the industry since similar measures were before congress during the last session, members of the committees that will have to consider them know nothing about these bills and will have to be prompted by either industry or the government to take action.

The color additives proposal would seem to have the best chance of the three of getting acted on in the new congress. This is because the Food and Drug Administration has adopted the view that color additives legislation is desirable and if industry and the agency can agree on the terms of the bill, it should have easy sailing.

There is some indication, however, that

—*Continued on page 52*

ORGANICS RESEARCH CHIEF: Dr. J. H. Paden, named director of research for American Cyanamid Company's organic chemicals division, with headquarters in Bound Brook, N. J.

Polyethylene Concern Organized in Belgium

A new Belgian company has been formed to make polyethylene. Called Cobenam, S. A., it will be owned jointly by Union Carbide Corporation, New York, and the Belgian company, Societe Chimique des Derives du Petrole S.A., Petrochim. Petrochim is an affiliate of Societe Generale, the large Belgian financial and industrial group.

Plans call for the construction of a plant having an initial capacity of 30 million pounds of polyethylene annually with production estimated to commence in mid-1960. The plant site will be located near Antwerp between the Petrochim chemical plant and the Societe Industrielle Belge des Petroles (SIBP) refinery.

The new installation will receive its raw material from SIBP. Technical know-how will be provided by the Union Carbide organization.

Cobenam S. A. will represent the third Union Carbide investment in European

—*Continued on page 62*

FDA Requires Increase In Funds, President Says

Congress is being asked to boost appropriations for the Food and Drug Administration by President Eisenhower in his budget for fiscal year 1960, to be sent to the capitol later this month.

The exact amount, however, was not disclosed by Secretary Arthur Flemming of the Department of Health, Education and Welfare, in announcing the general outlines of the department's budget.

Appropriations for the National Institutes of Health, for which large increases were made in each of the last three years, are proposed to be continued at the current fiscal year level of $294 million.

Mr. Flemming said that intensive stud-

—*Continued on page 43*

Upjohn on Exchange

Upjohn Company, Kalamazoo, Mich., today makes its bow on the New York Stock Exchange. The company will be known on the exchange trading floor by the symbol UPJ.

Science Gains Greater Stature As Federal Council Is Formed

Science has gained greater stature in the nation's economy with the issuance of an order by President Eisenhower for the establishment of a new Federal Council for Science and Technology. The President's action, taken last week, is regarded as especially significant since it shoves aside previous suggestions that the government form a Department of Science, headed by a secretary who would have had Cabinet rank in the federal hierarchy.

The newly-ordered council will be headed by Dr. James R. Killian, the President's special assistant for science and technology and chairman of the Science Advisory Committee.

Recommended by Killian Group

It was that committee which had recommended the formation of the new council, feeling it would be more advantageous than a science department.

In recommending the establishment of the new group, the advisory committee told the President that the council would meet the country's needs better than a science department. It will be composed of policy-making members of all federal agencies which have scientific and technological interests.

The council's job, the White House said, will be to advise Dr. Killian "as to policies which would improve the planning and management of government programs, will facilitate the resolution of common problems, and will promote greater interagency cooperation."

Other items covered in the report, which reflects more than a year of work by the special science group set up under Dr. Killian, are:

- A series of steps designed to improve administration and management of research in government laboratories.
- A "critical examination" of policies and practices with respect to government-

—Continued on page 58

Levulinic Acid Contest Offers $10,000 Prizes

What to do with levulinic acid? That is a question Quaker Oats Company, Chicago, would like to hear answered. And if it likes the answer the company is willing to pay up to $5,000 for it.

Technically-minded people are being asked to answer a contest offering a total of $10,000 in 104 prizes. Quaker Oats is looking for suggestions as to the most significant and apt commercial uses for its newly-developed acid. The formula is $CH_3COCH_2CH_2COOH$.

P.A.'s Are Agreed: Recession's Behind Us

Purchasing executives agree that the bottom of the recession is behind us and we are well on the way to good economic recovery. An overwhelming 86 percent predict business in 1959 will be better than in 1958. Only 4 percent see poorer business, and the remaining 10 percent think there will be no change.

However, most do not look for a boom, but rather favor the gradual build-up philosophy. The possibility of a steel strike is cited by many as a potential dark cloud on the horizon. Anticipation of this strike and a possible inventory accumulation program preceding it, may be a factor in leading 54 percent of our members to believe that most improvement will occur in the first six months. The remaining 46 percent think the second half will be better.

This report was prepared by the business survey committee of the National Association of Purchasing Agents.

The December statistics seem to confirm the fact that we are not off on another boom. The new order position has worsened since last month. Only 32 per-

—Continued on page 58

Alexander Chemical Bought

North American Car Corporation, Chicago, has purchased Alexander Chemical Corporation, Chicago. The purchase places the railway car firm in the tank farm storage business.

Soybean Processing Plant Slated by Cargill in Norfolk

Cargill, Inc., Minneapolis, Minn., has completed plans for construction at Norfolk, Va., of a major soybean processing plant—said to be the largest in the surrounding five-state area.

Cargill said it also plans construction or purchase of "several" procurement-station grain elevators at locations still undetermined in Virginia, Maryland, Delaware and North and South Carolina.

The new extraction plant, to have an initial capacity of 7 million bushels annually, will be built adjacent to a present 2,250,000-bushel Cargill export grain elevator on the Norfolk ocean-front. Plans call for completion by October 1.

Kohnstamm & Co. Opens Its New Flavoring Facility

H. Kohnstamm & Co., New York, has opened its new flavoring plant in Kearny, N. J.

According to Kohnstamm, the plant—covering a 40,000 square foot area—is designed to provide a continuous flow of production, from the entrance of raw materials to the shipment of finished flavoring materials.

The Week's Price Changes

Ammonium Nitrate, Borax, Rhodinol, o-Tolidine Advanced. Epichlorohydrin, Magnesia, Sodium Hydrosulfite Reduced.

Prices Advanced

Ammonium biborate, 50c. per ton (p. 35).
Ammonium nitrate, $3 per ton (p. 38).
Anhydrous ammonia, $4 per ton (p. 38).
Barium oxide, $10 per ton (p. 35).
Borax, tech., powd., $2.50 per ton (p. 35).
Broic acid, tech., cryst., $26.50 per ton (p. 35).
Boric acid, tech., powd., $2.50 per ton (p. 35).
Coconut oil, crude, Pac. coast, ¼c. per lb. (p. 54).
Copra, $5 per ton (p. 54).
DDT, spot, 1c. per lb. (p. 38).
F salt, 20c. per lb. (p. 42).
Gamma acid, 25c. per lb. (p. 42).
Linseed meal, 50c. to $1 per ton (p. 54).
Magnesium carborate, tech., ½c. per lb. (p. 35).
USP, ½c. per lb.
J acid, 25c. per lb. (p. 42).
Nitrogen solutions, $3 per ton (p. 38).
o-Nitrotoluene, 3c. per lb. (p. 42).
Peri acid, 25c. per lb. (p. 42).
Potassium muriate, 2½c. per unit (p. 38).
Potassium sulfate, 2½c. per unit (p. 38).
Rhodinol, syn., $3 per lb. (p. 57).
Sodium chlorate, dms., western states, ½c. per lb. (p. 35).
Sodium metaborate, octahydrate, $10 per ton (p. 35).
Tetrahydrate, $10 per ton.
Styrene monomer, tech., 3/100c. per lb. (p. 42).
o-Tolidine, base and hydrochloride, 5c. per lb. (p. 42).
o-Toluidine, 3c. per lb. (p. 42).

Prices Reduced

Bois de rose oil, Brazilian, 10c. per lb. (p. 57).
Peruvian, 5c. per lb.
Cocoa butter, 3c. per lb. (p. 54).
Corn oil, crude, ½c. per lb. (p. 54).
Refd., ½c. per lb.
Cottonseed oil, crude, ½c. per lb. (p. 54).
Refd., ½c. per lb.
Eucalyptus oil, 1c. per lb. (p. 57).
Epichlorohydrin, 3c. per lb. (p. 40).
Grease, choice white, ¼c. per lb. (p. 54).
Lard, cash, ½c. per lb. (p. 54).
Linseed oil acid, 3/10c. per lb. (p. 54).
Linseed oil, 3/10c. per lb. (p. 54).
Magnesia, calcined, tech., rubber grade, light, 1c. per lb. (p. 35).
Rubber grade, extra light, 1¾c. per lb.
Peanut oil, crude, ¾c. per lb. (p. 54).
Refd., ¾c. per lb.
Sodium hydrosulfite, c.l., t.l., 1¼c. per lb. (p. 53).
Soybean meal, $1 per ton (p. 54).
Soybean oil, crude, ¼c. per lb. (p. 54).
Refd., ¼c. per lb.
Tallow, edible, ¼c. per lb. (p. 54).
Inedible, ½c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:

(100=1949 average)

Jan. 5, 1959	Dec. 26, 1958	Jan. 3, 1958
110.38	109.15	108.51

Sulfur Spurted, But Not Enough

Sulfur finished well in the closing months of 1958, but a last-minute spurt in consumption was not sufficient to bring the annual use-rate up to the level of 1957. Preliminary data indicate that total domestic consumption of sulfur was off fractionally from 1957, reflecting the lower output of such major consuming industries as paper, steel, petroleum refining, rubber and textiles. However, the relatively good year experienced by the fertilizer industry and segments of the chemicals industry, two of the largest consumers of sulfur, helped to bolster the consumption figure.

In an annual review, Charles A. Wight, president of Freeport Sulphur Company, New York, has attributed the lessened use of sulfur to the decline in business activity. Since sulfur is one of industry's most widely used chemical raw materials, its demand follows very closely the trends of business activity in general, he pointed out.

Sulfur production was also down, Mr. Wight said. Total output from all sources in the United States amounted to an estimated 6.2 million long tons, compared with 7 million tons in 1957. The drop in

—Continued on page 56

STEIN, HALL TECHNICAL HEAD: Paul Kaplan, named technical director of Stein, Hall & Co., New York.

Chemical Importing Rules Eased by France, Singapore

A number of chemicals and chemical products are affected in the easing of import rules just passed by France and Singapore.

Freed from import quota restrictions by France are sulfur and a number of other industrial products, according to trade reports.

Products on which Singapore is relaxing dollar restrictions include: calcium carbide, germicides and pesticides, paint products, disinfectants and medicinal preparations.

Polyvinyl Acetate Prices Cut

Price reductions of from 1 to 2 cents per pound for standard grades of "Gelva," polyvinyl acetate emulsions have been made by Shawinigan Resins Corporation, Springfield, Mass. All reductions are on a per pound "across the board" basis.

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AMERICAN POTASH REALIGNS IN THE EAST: A. J. Dirksen (left), elevated by American Potash & Chemical Corporation, Los Angeles, from general sales manager of its industrial chemicals division to eastern general sales manager in charge of all sales in the east. E. M. Kolb (right), formerly general sales manager of the heavy chemicals division, who has been named assistant to the sales vice-president and will continue in charge of the company's potash activities. Both men will continue to operate from the American Potash offices in New York.

Russian Benzene Coming in Here At a Rate Well Above That of 1957

American firms brought almost as much Russian benzene into this country during the first nine months of 1958 as they did during all of 1957. Such is the story to emerge from an OPD analysis of the latest set of import statistics out of the Bureau of Census. During January-September of last year, the Soviets shipped us some 22,234,318 gallons of benzene. This compares with 24,285,237 gallons exported by the USSR during '57, but is nowhere near the all-time high of 1956 when some 39,763,764 gallons of Russian benzene were shipped here.

Naphthalene imports from the Soviet Union—that is, material with a melting point of less than 79 degrees centigrade—lagged behind 1957's peak of 14,656,329 pounds. During the first three quarters of 1958, only 9,477,684 pounds of naphthalene were shipped here by the Russians.

Poles Do Less Benzene Business

The Poles, who mainly offer the motor grade, did a lot less benzene business in the United States during '58 than they did in 1957. During the first nine months of last year, some 5,281,004 gallons of Polish benzene found its way onto the American market. For all of 1957 the total was 14,400,783 gallons.

The West Germans, who like the Russians chiefly market nitration-grade benzene here, did much better than the Poles in 1958. Imports of West German benzene by US firms during January-September of last year totaled 9,903,380 pounds. This figure tops by a considerable margin the 8,572,431 pounds of German naphthalene reported for all of 1957.

As for naphthalene, Belgium-Luxembourg and West Germany were neck-and-neck during '58. During the first three quarters of the year, some 11,862,552

—Continued on page 46

Solvents Shipping Point Is Established by duPont

The electrochemicals department of E. I. duPont de Nemours & Co., Wilmington, Del., has established a new shipping point at Carteret, N.J., as the first step in a program to speed delivery of chlorinated solvents.

The Carteret bulk terminal will receive "Triclene D" trichloroethylene by barge from the company's Niagara Falls, N.Y., plant and will supply metropolitan New York, Connecticut, New Jersey, and eastern Pennsylvania. A similar shipping point will be established in Los Angeles soon. DuPont manufactures chlorinated solvents at its Niagara Falls and Wyandotte, Mich., plants.

Olin, Textron Form New Aluminum Firm

Olin Mathieson Chemical Corporation and Textron, Inc., have formed a jointly-owned company, Almetco, Inc., to produce aluminum extrusions for the two firms. According to the two New York companies, the new firm will own and operate aluminum extrusion plants, formerly owned by Textron, at Girard, Ohio, and Nesquehoning, Pa.

Almetco's production capacity will be shared equally by Olin Mathieson and Textron Metals Company, a Textron division.

Olin Mathieson will not be associated with the products manufactured and sold by Textron Metals Company.

Harry E. Gude, vice-president for manufacturing in the metals division of Olin Mathieson, has been named president of Almetco. G. W. Miller, vice-president and

—Continued on page 51

Glycerine Producers Betting On a Continued Good Demand From Alkyd Resins Makers

Glycerine producers still have their money on alkyd resins, gambling that these materials will hold their place in the technological race for improved paint vehicles during the new year. Thus, reason the glycerine makers, they will still sell a good share of their product to the paint industry. The glycerine people are banking heavily on a hope that there will be enough technical advances in the alkyd field to disprove what they call "exaggerated predictions" of obsolescence in alkyds.

This is one of the bright spots in the outlook for glycerine during the year. E. Scott Pattison, manager of the Glycerine Producers' Association, has some other things to say as 1959 gets under way. For instance, he points this out:

Humectant Use Continues

"Uses of glycerine for its humectant and plasticizing properties in cellophane, cigarette tobacco and toilet goods have continued to keep pace with the advancing output of these products. Mono- and di-glyceride emulsifiers and other food additives have been stable markets. This has served to offset some decline in industrial explosives markets, where ammonium nitrate has been applied to replace nitro-glycerine."

Then, taking a look at the foreign situation, Mr. Pattison says:

"Apparently, glycerine from countries normally exporting to the United States—such as Argentina—is finding increased markets at home or in Europe and is not as freely available to the US refiners as it has been in some previous years.

"Tallow exports for soap production in Japan have increased—but glycerine is finding home markets. European production of glycerine from propylene was begun during the year, but has not yet reached a volume limiting the desire of European refiners to import crude to keep their stills in operation."

Continuing with his appraisal, Mr. Pattison notes:

"Because of the present duality of glycerine supply sources here—being produced from propylene as well as from fats—these shifts and shortages have not been matters of concern to the glycerine user. Major refiners of glycerine have their own captive sources (engaged in splitting or saponification of fats) and

—Continued on page 63

ASSISTANT SALES MANAGER: John W. Vance, appointed assistant sales manager in charge of chemical sales by Sinclair Chemicals, Inc., New York, a subsidiary of Sinclair Oil Corporation.

Mississippi Chemical Plans New Facilities Construction

Mississippi Chemical Corporation, Yazoo City, Miss., plans to spend $1.5 million on construction of a urea plant. Furthermore, it will ante $650,000 for expansion of anhydrous ammonia facilities of its subsidiary, Coastal Chemical Corporation.

For this purpose, Mississippi has filed with Securities and Exchange Commission seeking registration of 200,000 shares of its $5 par common stock, and 8,000 shares of special common, $75 par. Other capital expenditures planned with the money are anhydrous ammonia and solutions storage, and a small addition to the administration building.

Feature of the stock offering: It will be made primarily to farmers and farm groups, and secondly to others who are interested in obtaining nitrogen fertilizers.

SunOlin, Montecatini Sign Agreement for Urea Plant

SunOlin Chemical Company, Philadelphia, and Montecatini Soc. Gen. of Milan, Italy, have just signed a license agreement to use a Fauser Montecatini process to build a new urea plant at North Claymont, Del.

The plant will be engineered with the technical assistance of Montecatini and will have a capacity of 73,000 short tons per year of urea prills and crystals to be used in fertilizers and for industry applications.

The new SunOlin plant will be the fourth urea plant in the United States and the twenty-ninth in the world using the Fauser-Montecatini processes.

Monsanto Adds Capacity For Phthalate Plasticizers

Monsanto Chemical Company has completed a 25 percent expansion of its production capacity at Everett, Mass., for phthalate plasticizers.

This is the third major expansion of the Everett facilities within the past five years, according to Monsanto. The company said that its phthalate ester capacity

—Continued on page 48

Flavoring Producers Merge Their Concerns

Two of the big companies in their field — van Ameringen-Haebler, Inc., New York, and Polak & Schwarz, N. V., Zaandam, Holland—have merged into an organization that will be known as International Flavors & Fragrances, Inc.

Headquarters will be in New York and the merged companies will be divisions of the parent organization.

Both firms manufactured synthetic aromatic chemicals and perfume and flavor materials. Announcement of the merger came last week from A. L. van Ameringen, board chairman of the New York company, and C. C. Brummer, managing director of the Dutch concern.

According to Mr. van Ameringen, International Flavors & Fragrances will be

—Continued on page 56

Consolidation and Sohio Sign Hydrocarbon Pact

Consolidation Coal Company, Pittsburgh, Pa., and Standard Oil Company (Ohio), Cleveland, have entered into an agreement to undertake a joint basic research project to explore methods of manufacturing hydrocarbon liquid fuels from coal.

This move has been announced jointly by G. A. Shoemaker, executive vice-president of Consoliadtion and Elliott B. McConnell, vice-president for manufacturing of Sohio.

The agreement is a natural development

—Continued on page 48

Chemical, Drug People Break a Lease Record

Long-term leasing of production equipment by the chemical and drug industries spurted to an all-time high in 1958, despite the recession.

Total dollar volume of equipment on lease in those industries reached $18 million in December of 1958, as compared with $7.2 million during the previous year, for a gain of 150 percent. The increase was disclosed by Robert Sheridan, president of Nationwide Leasing Company, Chicago, an equipment leasing company which regularly surveys leasing trends throughout the country.

Chemical Industry May Gain in Inter-Union Battle

Chemical makers may reap a few fringe benefits of their own out of a union jurisdictional conflict currently going on in their own backyard. Nub of the conflict is a charge by the Oil, Chemical and Atomic Workers International Union that two craft unions—metal trades and building trades—are trying to get into the chemical fold and don't belong there.

Trouble between craft and industrial unions is an old story. However, it is relatively new to the chemical field.

The present conflict was brought to light by President O. A. Knight of the OCAW in a hearing before a special subcommittee of the AFL-CIO executive council.

Mr. Knight made a strong official protest against "unconstitutional" organizing of the metal trade unions and against efforts of the building trades groups to induce chemical firms (at present within the organizational jurisdiction of the OCAW) to contract out their maintenance work.

Citing both chapter and verse, Mr. Knight testified to the subcommittee on several violations of the AFL-CIO constitution by the Baton Rouge, La., Metal Trades Council "which does not have bargaining rights at a single industrial operation in the state of Louisiana," yet interfered in OCAW organizing in at least three instances in the past year.

Other examples included campaigns at Western Nuclear Corporation at Jeffery City, Wyo.; Union Carbide Corporation,

—Continued on page 56

REILLY

supplier of large quantities of

- **pyridine**
- **beta-picoline**
- **gamma picoline**
- **vinylpyridines**
- **cresylic acid**
- **crude naphthalene**

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Fatty Acid Production Declined in November

Production of fatty acids in November, according to the Association of American Soap & Glycerine Producers, totalled 37 million pounds, of which 6 million pounds were tall oil fatty acids in the "less than 2 percent rosin category." Types split from animal and vegetable fats totalled 30.9 million pounds, compared to 35.2 million pounds in October and to 33.4 million pounds in November, 1957.

Fatty acid disposition in November was 39.9 million pounds, versus 41.1 million pounds in October. November disposition of fatty acids from tall oil (as defined above) was 6.1 million pounds.

TVA Busy in '58 With Fertilizer Work

Tennessee Valley Authority kept busy in 1958—its twenty-fifth anniversary year—producing about 242,000 tons of phosphate and nitrogen fertilizers in demonstration-scale plants at Muscle Shoals, Ala., and then distributing the material in educational programs in three-quarters of the states of the nation.

In its annual report to the President and congress, TVA reveals that near the end of the year production of 48 percent concentrated superphosphate—the first material which the authority made in its electric furnace research and demonstration program—was discontinued.

About 23,800 tons of 48 percent concentrated superphosphate were produced in 1958. Industry production, on the other hand, has reached 1.7 million tons annually, the report goes on.

About 6,800 tons of more highly concentrated superphosphate, containing 54-55 percent P_2O_5, were produced by use of TVA-developed superphosphate acid. Several phosphorous producers have made the super acid experimentally since TVA developed it, a Canadian firm is in production, and a western fertilizer company is installing facilities to produce it.

More than 3,600 farmers in twenty-nine states participated in the farm test-dem-

—*Continued on page 63*

Int'l Mineral Starts Up Lawn, Garden Department

International Minerals & Chemical Corporation, Skokie, Ill., has begun operation of a new lawn and garden department in its plant food division.

John D. Zigler, general manager of the division, said the department will concentrate on promotion of a new lawn fertilizer called "Thrive," which uses a slow-release feature to provide balanced and "metered" year-round feeding.

Jack G. Eisinger, formerly Chicago district manager for the hardware division of Black & Decker Manufacturing Company, will be sales manager for the new department. Other fertilizers to be featured by the new unit include "Fertilis" and "Mello-Green."

Chemical Industry's Problem: Find a Need for the Leftovers That Result From Research

Finding a need for the leftovers is one of the challenging problems faced by the chemical industry today. Author of that statement is Burton F. Bowman, of American Cyanamid Company, and by leftovers he means the byproducts of chemical research. He told of the industry's problem last week at a gathering of the nation's top marketing authorities, convened in Chicago for the forty-first national conference of the American Marketing Association.

Mr. Bowman started off by explaining how his firm has given a new twist to the usual concept of total marketing.

"This concept as we practice it at Cyanamid is a two-phase affair," he said. "Phase one involves the classic problem of finding or creating a need, developing a product to fit it, and then fulfilling the need at a profit.

Run Into Another Situation

"In the chemical industry, however, we often run into another situation—in the course of developing a product for a particular need, we sometimes come up with an additional product or byproduct.

"In phase two, therefore, we have to turn the total marketing concept right around and try to find or create a need to go with the product we have produced."

Mr. Bowman cited as an example the broad spectrum antibiotic "Aureomycin" chlortetracycline, which was developed by the New York company's Lederle Laboratories Division to control diseases for which penicillin was found wanting.

The first phase of the marketing concept—developing the product to fit known needs—was accomplished by the late Dr. Benjamin Duggar after testing tens of thousands of fungi molds.

The second phase—finding other needs to fit the product—was accomplished by market analysts whose findings enabled scientists and technicians to tailor the wonder drug into thirty animal health pharmaceuticals which cured disease in creatures ranging from canaries to Texas steers.

To help Cyanamid's field force bring the broad marketing concept to a profit-

—*Continued on page 62*

Burton F. Bowman

Monsanto in '59 Slates Computer-Controlled Unit

Monsanto Chemical Company, St. Louis, Mo., this year expects to start up the industry's first computer-controlled chemical plant.

"To the best of our knowledge, this will be the first chemical plant to use an electronic computer for the direct, on-line control of the overall process," said Howard K. Nason, Monsanto vice-president and general manager of the company's research and engineering division.

"It will be installed in an existing manufacturing unit which is already highly instrumented by today's standards."

Location of the plant and the process involved were not disclosed. However, Monsanto disclosed that a Thompson-Ramo-Wooldridge RW-300 electronic digital computer will be used as the control unit.

Weed Control Meeting Starts Up Wednesday

The Northeastern Weed Control Conference will open Wednesday at the New Yorker hotel, New York, with some 550 members of industry, government and the agricultural experiment stations participating.

As in previous years, the program for the three-day meeting will open with a general session, followed by concurrent meetings for five different sections. They will include: horticultural crops; agronomic crops; industrial and highways; public health; aquatics, conservation and forestry.

A feature of the meeting will be a series of discussions on conservation and public

—*Continued on page 51*

SOCMA Slated to Hear 'Red' Motley Next Week

Synthetic Organic Chemical Manufacturers Association will hear Arthur H. ("Red") Motley, president of Parade Publications, Inc., January 13 at its next monthly luncheon meeting. The meeting will be held as usual at the Roosevelt hotel, New York, with cocktails scheduled for noon and luncheon a half hour later. Mr. Motley's topic will be "Alice in Wonderland, or the American Businessman in Politics."

Plastics Industry Rings Up Record With '58 Output

The plastics industry has done it again! Producers have just rung up a new production record for plastics and resins materials with an output of 4,544,000,000 pounds for 1958.

Booming ahead to a new, all-time high, the figure represents a gain of 5 percent over the previous year. So says the Society of the Plastics Industry in its estimate of activity for the year just closed.

And, while the society is busy with its figures for last year, it also is looking ahead. It sees another record year just starting, with a possible output gain of 10 percent.

Valued in the Billions

Last year's value of plastics products was approximately $2,272,000,000 which compares with $2,164,000,000 in 1957.

Since the ninety-one-year-old plastics industry started compiling raw material production figures in 1922, it has established a new production record in thirty-one of these thirty-six years including the last six.

Even though a number of the basic plastics raw materials did not reach 1957's rate of production, the others increased and at a rate which carried the total production for the industry with them.

Estimated 1958 production for some of the basic plastics raw materials compared with actual 1957 figures, is as follows:

	1958 *Estimated Pounds* (*In Millions*)	1957 *Actual Pounds* (*In Millions*)	*Percent Change*
Cellulosics	139	146,112	— 6
Phenolics	510	532,363	— 5
Polyesters	115	95,222	+20
Polyethylene	920	707,590	+30
Polystyrene	710	673,375	+ 5
Urea, melamine	362	349,077	— 5
Vinyls	904	886,506	+ 2

As a result of an SPI survey, it is indicated that the plastics industry believes that sales volume is going up; that a period of relative price stability is an-

—*Continued on page 48*

Metals, Mineral Production Was on the Skids in 1958

Metals and minerals were pretty much on the skids during 1958. The fall could be contributed to a lot of things, among them: general economic conditions, ending or slowing down of government stockpile purchases, withdrawals from inventories, and increased competition from foreign mineral producers in domestic as well as world markets.

So says the Department of the Interior in estimating the doings of the metals and minerals industry for the year just past.

Gold and silver production reached the lowest level since 1946. Iron ore was down 36 percent and lead and zinc were off by 23 percent. Copper showed a decline of approximately 10 percent.

On the other hand, there were some

—*Continued on page 48*

Association Meetings

Air and Water Pollution Abatement Conference, sponsored by Manufacturing Chemists' Association, Netherlands Hilton hotel, Cincinnati, Ohio, March 17-18.

American Chemical Society, national meeting, Boston, Mass., April 5-10.

American Institute of Chemical Engineers, Chalfonte-Haddon Hall, Atlantic City, N. J., March 16-20.

American Pharmaceutical Association, annual meeting, Netherlands-Hilton hotel, Cincinnati, Ohio, August 16-23.

American Society for Testing Materials, committee week, William Penn hotel, Pittsburgh, Pa., February 2-6; annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 21-26.

Association of American Soap & Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 20-22.

Association of Consulting Chemists & Chemical Engineers, luncheon meeting and panel discussion, Shelburne hotel, New York, March 10; symposium and banquet, Shelburne hotel, New York, April 28.

Chemical Buyers Group of National Association of Purchasing Agents, mid-winter meetings, Congress hotel, Chicago, January 22; Commodore hotel, New York, February 3.

Chemical Market Research Association, textile chemicals meeting, Dinkler Plaza hotel, Atlanta, Ga., February 18-19.

Chemical Progress Week, April 13-17.

Compressed Gas Association, annual meeting, Waldorf-Astoria hotel, New York, January 19-20.

Drug, Chemical & Allied Trades section of the New York Board of Trade, mid-winter luncheon meeting, Waldorf-Astoria hotel, New York, January 29; annual dinner, Waldorf-Astoria hotel, New York, March 5.

Eastern Pest Control Operators' Conference, University of Massachusetts, Amherst, Mass., January 21-23.

Electrochemical Society, Sheraton hotel, Philadelphia, May 3-7.

Essential Oil Association, annual meeting, Savoy Plaza hotel, New York, January 9.

Flavoring Extract Manufacturers Association, annual meeting, Traymore hotel, Atlantic City, N. J., May 17-20.

Northeastern Weed Control Conference, New Yorker hotel, New York, January 7-9.

Oil Trades Association of New York, Waldorf-Astoria hotel, New York, January 22.

Parenteral Drug Association, dinner meeting, Statler hotel, New York, February 6.

Packaging and Transportation Symposium, sponsored by Manufacturing Chemists' Association, Engineering & Scientific Center, Cleveland, Ohio, April 29-30.

Pharmaceutical Manufacturers Association, central regional meeting, Edgewater Beach hotel, Chicago, February 9-11; western regional meeting, Ambassador hotel, Los Angeles, February 16-17; annual meeting, Boca Raton Club, Boca Raton, Fla., April 1-3.

Salesmen's Association of the American Chemical Industry, annual installation meeting, Commodore hotel, New York, January 20.

Society of Chemical Industry, American section, Perkin medal dinner, Waldorf-Astoria hotel, New York, January 9.

Society of Plastics Industry, reinforced plastics conference, Edgewater Beach hotel, Chicago, February 3-5.

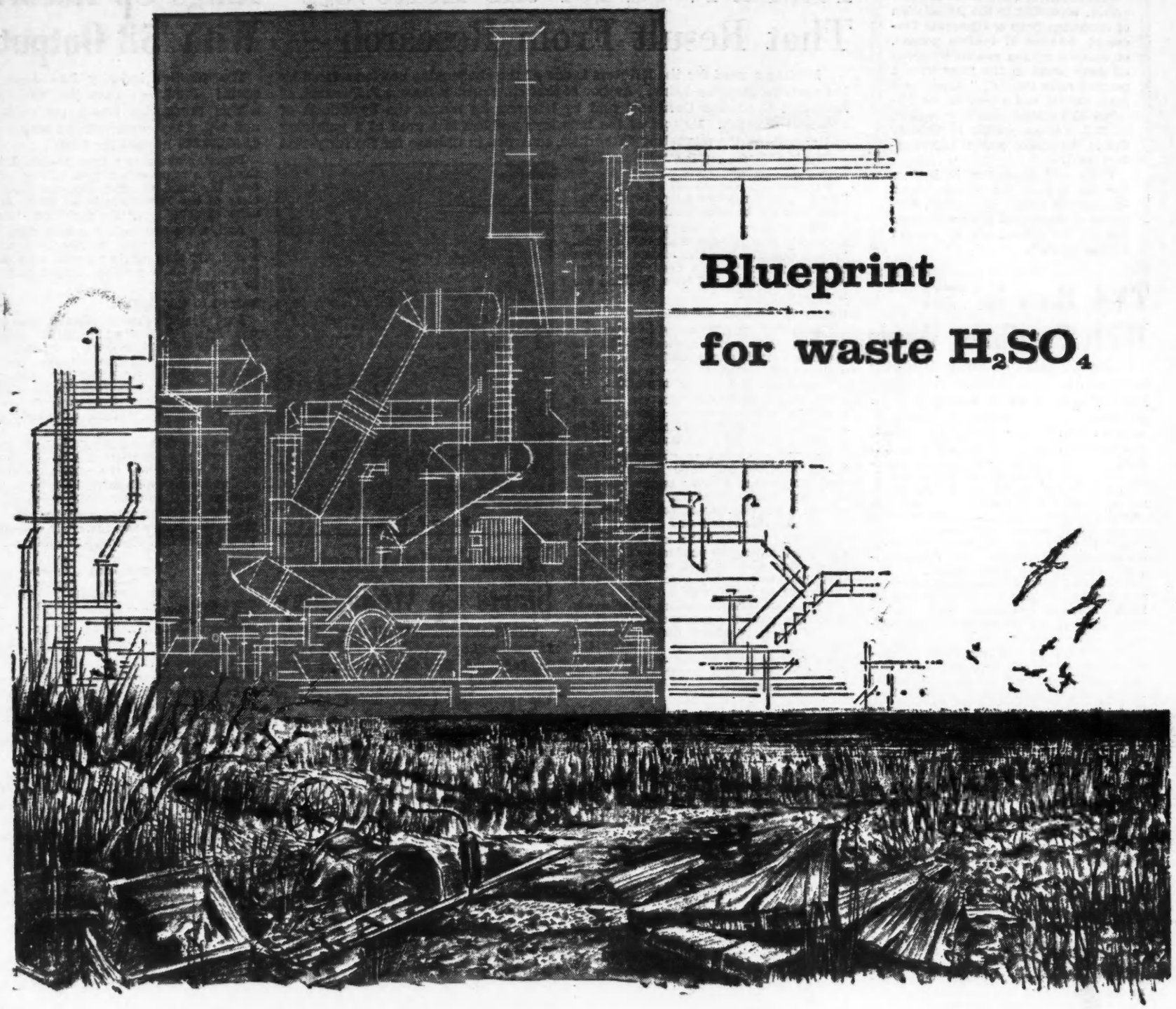
Southeastern Chemurgic Conference, sponsored by Florida Citrus Mutual and Chemurgic Council, Florida Citrus Mutual Building, Lakeland, Fla., January 19-20.

Southern Pest Control Operators' Conference, Adolphus hotel, Dallas, Tex., January 15-17.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, January 13.

Southern Weed Conference, Washington-Youree and Captain Shreve hotels, Shreveport, La., January 21-23.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.



Blueprint for waste H_2SO_4

Dixon Chemical Industries, Inc. is now breaking ground at Paulsboro, New Jersey for one of the largest and most modern sulfuric acid decomposition plants in the world. This plant, specially designed to regenerate spent sulfuric acid will be the answer to the old problem of waste sulfuric acid. These facilities will be available to the large concentration of refineries in the heart of the Delaware Valley, as well as other eastern consumers having a waste acid problem.

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CHEMICALS

CHEMICALS AND RELATED MATERIALS

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, January 2 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Abies siberica oil, crns. .....lb. 3.00 - 3.75
Acacia (see Arabic gum).
Acenaphthene, below 92.5 C. m.p., dms., works..lb. .40 - —
Above 92.5 C. m.p., bbls., dms., lb. .41 - .50
Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
dms., l.c.l., works.....lb. .13½- —
tanks, works.....lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld..lb. .32½- —
bbls., bgs., ton lots, frt. alld, lb. .33½- —
bbls., bgs., smaller lots, frt. alld..lb. .36½- —
USP, bbls., 225-lb. dms. any quantity..lb. .79 - —
100-lb. dms., any quantity..lb. .81 - —
Acetic acid, coml. or redist., 28%, bbls..100 lbs. 4.80 - —
56%, bbls. .....100 lbs. 8.25 - —
70%, bbls. .....100 lbs. 9.95 - —
80%, bbls. .....100 lbs.10.45 - —
Acetic acid, glacial, syn., CP, dms., dlvd..100 lbs.22.00 -23.00
tech., dms., c.l., dlvd. ...100 lbs.13.75 - —
dms., l.c.l., dlvd. .....100 lbs.14.25 - —
tanks, dlvd. .....100 lbs.10.00 - —
USP, cbys., dlvd.....100 lbs.31.00 -32.00
Acetic anhydride, aluminum ret. dms., c.l., dlvd. E..lb. .16½- —
aluminum ret. dms., l.c.l., dlvd. E. lb. .17½- —
tanks, dlvd. E. .....lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd..lb. .80 - —
fib. dms., l.c.l., dlvd. .....lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd..lb. 1.35 - —
fib. dms., l.c.l., dlvd. .....lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd..lb. .82 - —
fib. dms., l.c.l., dlvd. .....lb. .83 - —
Acetone, CP, dms., c.l., dlvd. ..lb. .11 - —
dms., l.c.l., dlvd.....lb. .12½- —
tanks, dlvd. .....lb. .08½- —
Acetonitrile, dms., c.l., works....lb. .45 - —
dms., l.c.l., works.....lb. .45½- —
Acetophenetidin, USP, dms., works, frt. equald..lb. 1.22 - 1.24
Acetophenone, cns., dms. .....lb. .42 - 1.30
tech., dms., c.l., works.....lb. .37 - —
dms., l.c.l., works.....lb. .37¾- —
tanks, works.....lb. .35 - —
N-Acetyl-p-aminophenol, 1,000-lb. lots, frt. adjusted..lb. 1.45 - —
smaller lots, dms., same basis..lb. 1.55 - 1.63
Acetylene black, imp., bgs., c.l., duty and freight extra..lb. .19 - —
cs., l.c.l., ex whse. .....lb. .24½- .30
Acetylsalicylic acid, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt..lb. .63½- —
USP, standard, fine, cryst. gran., (30-40 mesh) powd., (60 mesh), bbls., 1,000-lb. lots, same basis..lb. .58½- —
Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver..lb. .35½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver..lb. .36½- —
tanks, frt. alld. E. of Denver, lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver..lb. .39½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver..lb. .40½- —
tanks, frt. alld. E. of Denver..lb. .37 - —

Acids

Acid quotations are listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Acronite root, bls. .....lb. .50 - .55
Acrolein, tech. dms., c.l., works..lb. .47 - —
dms., l.c.l., works.....lb. .47½- —
tanks, works .....lb. .46 - —
Acrylic acid, glacial, dms., l.t.l., dlvd. lb. .65 - —
Acrylonitrile, dms., c.l., t.l., frt. equald..lb. .30 - —
dms., l.c.l., l.t.l., frt. equald.....lb. .31 - —
tanks, frt. equald.....lb. .27 - —
Adeps lanae (see lanolin).

Abies Siberica Oil—Ammonium Bicarbonate

Adipic acid, bgs., c.l., dlvd. .....lb. .32¼- —
bgs., l.c.l., dlvd. .....lb. .35 - —
Agar, USP, Kobe No. 1, strip, bls. lb. 1.90 - 2.00
powd., 30 mesh., fib., dms..lb. 2.50 - —
dl-Alanine, dms., works.....lb. 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms. .....lb. .65 - .85
Albumin, egg, edible, cryst., powd., bbls..lb. 1.13 - 1.15
flake, bbls. .....lb. 1.09 - 1.11
tech., cryst., bbls. .....lb. 1.08 - 1.10
Aldol, 95%, dms., works.....lb. .23 - —
Denaturing grade, dms. .....gal. 2.15 - —

Alcohols

Alcohol quotations are listed individually. For example, prices on Alcohol, furfuryl, may be found in the F's under Furfuryl alcohol.

Aldrin, tech., fib. dms., c.l., t.l., dlvd..lb. .93 - —
fib. dms., l.c.l., dlvd.....lb. .98 - —
Aletris root, bgs. .....lb. 1.75 - 1.83
Algin (see Sodium alginate)
Alizarin (see 1,2-Dihydroxy anthraquinone).
Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies..lb. 2.28 - —
Alkali blue, toner, litho flushed, 125-lb. bbls., same basis. lb. 1.33 - —
Alkali blue prices 1c. higher W. of Rockies.
Allethrin, 90%, dms., frt. alld..lb.28.80 -28.90
Soln., 20%, dms., 200-2,000 lb. lots, frt. alld..lb. 6.50 - 6.55
2½% dms. frt. alld. .....lb. .95 - 1.10
Allspice oil (see Pimento oil).
Allyl alcohol, dms., c.l., dlvd. ...lb. .32½- —
dms., l.c.l., dlvd.....lb. .34 - —
tanks, dlvd. .....lb. .30 - —
Allyl bromide 55-lb. cbys. 5,005 lbs. or more, works lb. 1.47 - —
55-lb. cbys., 1,045 to 4,950 lbs., works lb. 1.52 - —
55-lb. cbys., 55 to 990 lbs. works. lb. 1.57 - —
Allyl chloride, dms., c.l., dlvd. ..lb. .17¼- —
dms., l.c.l., dlvd.....lb. .19 - —
tanks, dlvd. .....lb. .15 - —
Allyl isocyanate (see Mustard Oil, syn.).
Almond oil, artif., bitter (see Benzaldehyde).
Almond oil, nat., bitter, f.p.a., bots. lb. 2.75 - 3.45
NF, bots. .....lb. 3.00 - 3.30
sweet, USP, cns., dms.....lb. .90 - 1.40
Aloe, Cape, cs. .....lb. .50 - —
powd., cs. .....lb. .75 - —
Curacao, kgs. .....lb. .60 - —
powd., kgs. .....lb. .80 - —
Aloin, USP, bbls., dms., kgs. ....lb. 3.25 - 3.75
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene)
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works..100 lbs. 4.30 - —
lump, dms., works.....100 lbs. 5.05 - —
powd., dms., works.....100 lbs. 5.20 - —
USP, burnt, dms. .....lb. .20 - .21
hydrous, dms. .....lb. .07¾- .08
Alum, potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works.....100-lbs. 5.30 - —
powd., dms., works.....100 lbs. 5.45 - —
USP, burnt., dms. .....lb. .20 - .21
hydrous, dms. .....lb. .07¾- .08
Alum, potash-chrome, dms. .....lb. .17 - —
Alumina, calcined, bgs., c.l., works. lb. .05 - —
bgs., l.c.l., works.....lb. .05¼- .06
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works..lb. .14 - —
Aluminum chloride, coml., anhyd., dms., c.l., works, frt. equald..lb. .16 - —
dms., l.c.l., works.....lb. .16½- —
cryst., dms., c.l. works..100 lbs.21.00 - —
dms., l.c.l., works ....100 lbs.21.50 - —
soln., 32°, cybs., c.l., works..lb. .0495- —
cbys., l.c.l., works.....lb. .0535- .1325
tanks, works .....100 lbs. 3.45 - —
NF, gran., dms., works.....lb. .31 - .32
Aluminum fluoride, tech., anhyd., bgs., c.l., works..lb. .17¼- —
bgs., l.c.l., works.....lb. .18¼- .20¼
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.
Aluminum formate, basic soln., dms., c.l., works..lb. .12 - —
dms., l.c.l., works.....lb. .12½- —
Aluminum hydrate, heavy, bgs., c.l., frt. equald..lb. .03½- —
bgs., 20,000-40,000 lb. lots, same basis..lb. .03¾- —
bgs., 2,000-20,000 lb. lots, same basis..lb. .04¾- —
bulk, c.l., same basis .....lb. .03¼- —
Aluminum hydroxide, dried, USP XV, fib. dms., works..lb. .82½- —
fib. dms., contract, works..lb. .79½- —
Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .22 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
fib. dms., contract, works..lb. .18 - —
Aluminum hydroxide, tech., powd. (See Aluminum hydrate).
Aluminum metal, 99%+, ingots, 10,000-lb. lots, frt. alld..lb. .2580- —
pigs, 10,000-lb. lots, frt. alld..lb. .2470- —
Aluminum oxide, amorphous (See Alumina, calcined).
Aluminum paste, lining, extra-fine, dms..lb. .69¼- —
Standard grade, dms. .....lb. .47 - —
Aluminum powder, lining, extra-fine, dms..lb. 1.11 - —
Standard grade, dms. .....lb. .81 - —

Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., 2.1% t.t.l., dms lb. .36¼- —
Aluminum stearate, dibasic, ctns., c.l..lb. .39 - —
ctns., l.c.l. .....lb. .40 - .44
Monobasic, ctns., c.l. .....lb. .39 - —
ctns., l.c.l. .....lb. .40 - .44
Tribasic, ctns., c.l. .....lb. .39 - —
ctns., l.c.l. .....lb. .40 - .44
Aluminum sulfate, coml., grd., bgs. c.l., works, frt. equald..ton.41.00 - —
grd., bulk, c.l., same basis..ton.40.00 - —
lump, bgs., c.l., same basis ..ton.44.00 - —
Coml., iron-free, bgs., c.l., works, frt. equald..100 lbs. 3.80 - —
bgs., l.c.l., works, frt. equald. 100 lbs. 4.30 - 8.30
USP, gran., dms., works.....lb. .30 - —
powd., dms., works .....lb. .37 - —
Aluminum sulfate prices $1 per ton higher in the South.
Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots .....oz. 6.50 -10.00
p-Aminoacetanilide, frt. alld. ....lb. 1.57 - —
Aminoacetic acid, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Aminoazotoluene base, bbls., 100% basis..lb. 1.03 - 1.16
p-Aminobenzoic acid, tech., dry, dms., works..lb. 1.72 - —
Aminoethyl ethanolamine, dms., c.l., dlvd..lb. .475 - —
dms., l.c.l., dlvd.....lb. .49 - —
tanks, dlvd. .....lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld..lb. .44 - —
dms., l.c.l., frt. alld. .....lb. .45 - —
tanks, frt. alld. .....lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
dms., smaller lots. .....lb. 2.50 - —
p-Aminophenol, dms., frt. alld. ..lb. 1.15 - —
Aminopyrine, USP, 100-lb. dms..lb. 3.55 - —
p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted..lb. 3.70 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald. E. of Rockies..ton.88.00 - —
refrigeration, tanks, works, frt. equald E. of Rockies..ton.90.50 - —
Aqueous, 29.4%, tanks, works, anhyd. basis, E. of Rockies. ton.91.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal. gray, bgs., cl., works, frt. equald..100 lbs. 6.25 - —
bgs., l.c.l., same basis..100 lbs. 6.65 -12.55
Ammoniac, sal., white (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .40 - —
Ammonium benzoate, USP, fib. dms. ton lots, works lb. 1.00 - —
fib dms. 1,000-lb lots, works. lb. 1.05 - —
Ammonium biborate, gran., dms., c.l., works..ton.325.00 - —
dms., ton lots, ex whse. 100 lbs.20.40 - —
dms., smaller lots, ex whse. 100 lbs.21.15 - —
Ammonium bicarbonate, dom., dms., c.l., works..100 lbs. 7.00 - —
dms., l.c.l., works.....100 lbs. 9.00 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	nom.	nominal
AMP	American melting point	dlvd.	delivered	o-	ortho
anhyd.	anhydrous	dms.	drums	ord.	ordinary
AOAC	Association of Official Agricultural Chemists	dom.	domestic	oz.	ounce
		E.	east	p-	para
a.p.a.	available phosphoric acid	e.p.	end point	Pac.	Pacific
approx.	approximately	equald.	equalized	pf.	proof
artif.	artificial	exp.	expressed	phos.	phosphate
ASTM	American Society for Testing Materials	Ext.	external	photo.	photographic
		F.	fahrenheit	pkgs.	packages
Atl.	Atlantic	ferment.	fermentation	powd.	powdered
Be.	Baume	f.f.a.	free fatty acid	precip.	precipitated
bbls.	barrels	f.f.c.	free from chlorine	prod.	producer
bgs.	bags	fib.	fiber	pt.	point
bls.	bales	f.o.b.	free on board	pulv.	pulverized
bots.	bottles	f.p.a.	free of prussic acid	purif.	purified
b.p.	boiling point	frt.	freight	redist.	redistilled
b.p.l.	bone phosphate of lime	gal.	gallon	refd.	refined
b.r.	boiling range	gran.	granular	refy.	refinery
bxs.	boxes	grd.	ground	reg.	regular
C.	centigrade	i.&a.	iron and aluminum	resub.	resublimed
cbys.	carboys	i.b.p.	initial boiling point	ret.	returnable
CD	completely denatured	imp.	imported	SD	specially denatured
c.i.f.	cost, insurance, freight	incl.	included	s.d.	single distilled
cks.	casks	indust.	industrial	S E.	southeast
c.l.	carlots	kgs.	kegs	sec.	secondary
cns.	cans	l-	laevo	secs.	seconds
coml.	commercial	lacq.	lacquer	s.g.	specific gravity
conc.	concentrated	lb.	pound	shipt.	shipment
CP	chemically pure	l.c.l.	less than carlots	soln.	solution
cps.	centipoises	l.t.l.	less truckload	s.u.	standard unit
cryst.	crystalline	liq.	liquid	syn.	synthetic
cs.	cases	mfrs.	manufacturers	tanks.	railroad tankcars
ctns.	cartons	m-	meta	tech.	technical
cyls.	cylinders	m.a.p.	mixed aniline point	tert-	tertiary
d-	dextro	min.	minimum	t.l.	truck loads
dbl.	double	m.p.	melting point	t.w.	tank wagons
denat.	denatured	N-	nitrogen	USP	U. S. Pharmacopoeia
dest-dist.	destructively—distilled	n-	normal	vis.	viscosity
dl-	dextrolaevo	nat.	natural	VM&P	varnish makers & painters
dist.	distilled	neut.	neutral	W.	west
		NF	National Formulary	whse.	warehouse
		NNR	New and Nonofficial Remedies	w w.	water-white

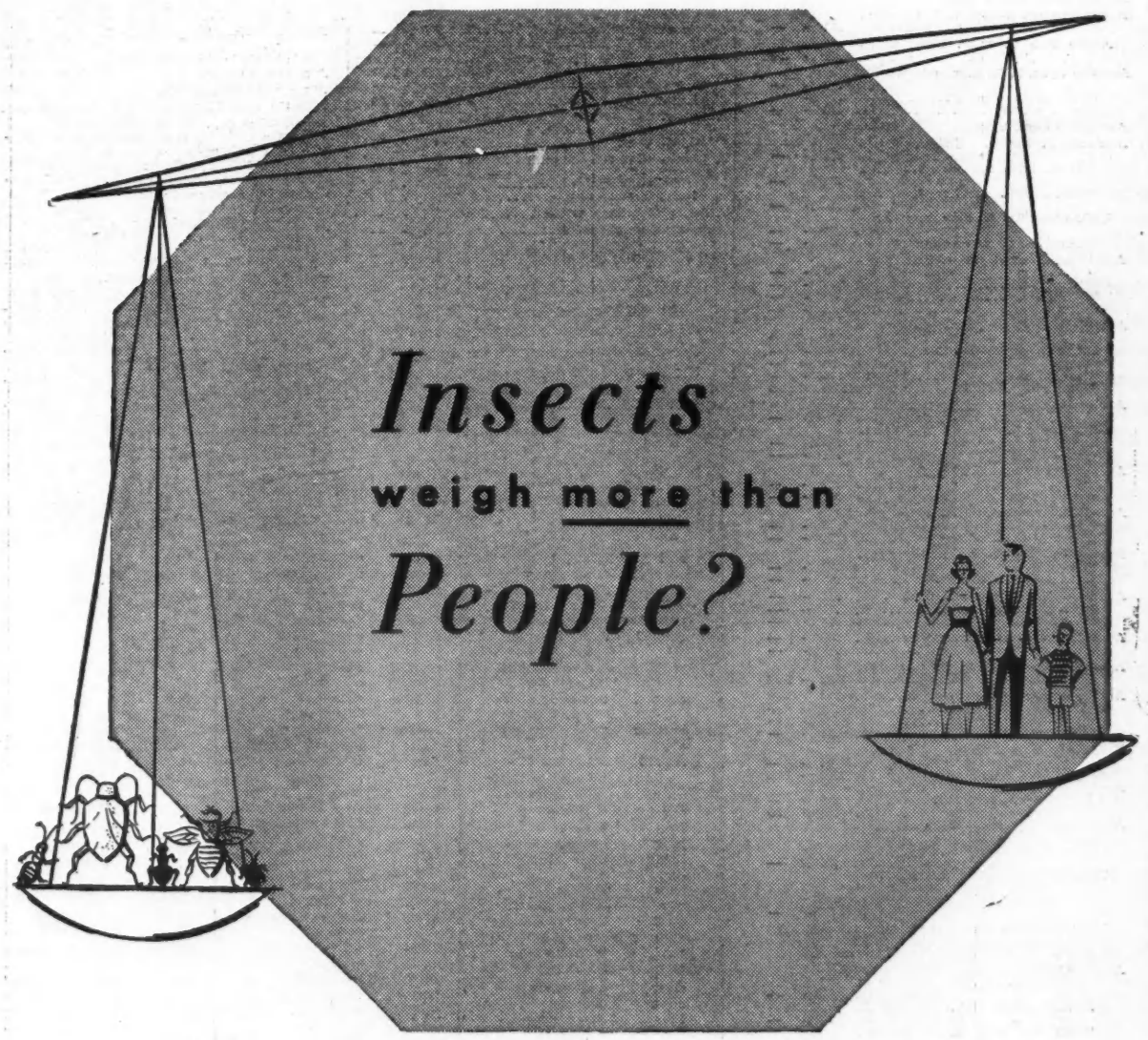
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Ammonium bichromate, dms., works, lb. .42 - .43
Ammonium bifluoride, dms., dlvd lb. .2145- .2345
Ammonium bromide, NF, gran., bbls, lb. .45 - —
Powdered ammonium bromide 10c. per lb. higher.
Ammonium carbonate, USP, lump, dms., c.l. lb. .15½- —
Ammonium chloride, tech., fine gran., bgs., c.l., works 100 lbs. 5.75 - —
bgs., l.c.l., works 100 lbs. 7.75 - 8.20
USP, gran., fib. dms. lb. .17¼- —
Ammonium citrate, dibasic, bbls. lb. .77 - —
Ammonium dichromate (see Ammonium bichromate).
Ammonium fluoride (see Ammonium bifluoride).
Ammonium gluconate, tech., dms.lb. .45 - —
Ammonium hydroxide (see Ammonia aqueous).
Ammonium iodide, NF, bots., dms., lb. 4.26 - 4.38
Ammonium lauryl sulfate, dms., c.l., frt. alld. lb. .19 - —
dms., l.c.l., frt. alld. lb. .20 - —
tanks, frt. alld. lb. .18 - —
Ammonium linoleate, 80%, dms., works lb. .50 - .53
Ammonium lignin sulfonate bgs., c.l., works 100 lbs. 3.25 - —
bgs., l.c.l., works 100 lbs. 3.40 - 3.65
Ammonium molybdate, CP, cryst., fib. dms., 15,000 lbs., works lb. 1.22 - —
fib. dms., 2,000-lb. contracts, works lb. 1.23 - —
single fib. dms., works lb. 1.24 - —
Ammonium nitrate, dom., fertilizer grade, 33.5% N bags., f.o.b., works ton.68.00 - —
Imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $3 ton, base price. ton.68.00 - —
with dolomite, 20.5% N, bgs., c.l., Hopewell, Va. ton.44.50 - —
Ammonium oxalate, tech., fine gran., powd., dms. lb. .28½- .34½
Ammonium pentaborate, gran., bgs., c.l., works ton.193.00 - —
bgs., ton lots, ex whse. 100 lbs.14.23 - —
bgs., smaller lots, ex whse. 100 lbs.15.48 -17.48
Ammonium pentaborate powder $10 per ton higher in bags.
Ammonium persulfate, tech., dms., 10-ton lots or more, works. lb. .18 - —
dms., smaller lots, works. lb. .20 - .23
Ammonium phosphate, coml., bgs., c.l., works, frt. equald lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Ammonium phosphate, dibasic, NF V, bbls., dms lb. .46 - —
Ammonium phosphate, tech., bgs., c.l., works, frt. equald. lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Ammonium silicofluoride, dms., works lb. .11¾- .13¼
Ammonium sulfamate bgs., c.l., t.l., works lb. .19 - —
bgs., l.c.l., works lb. .20½- .27
Ammonium sulfate, standard granular, bulk, f.o.b. works, base price ton.32.00 - —
purif., bgs., f.o.b. works lb. .08½- .15
large granular, bulk, c.l., works. ton.35.00 - —
bgs., c.l., works ton.40.00 - —
Tech., bulk, c.l., t.l., works ton.52.00 - —
bgs., c.l., t.l., works ton.56.00 - —
bgs., l.c.l., l.t.l., works—100 lbs. 3.20 - 7.20
Ammonium sulfide, liq., 40-44%, tanks, frt., equald.,100% basis ton.160.00 - —
Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Ammonium thiocyanate, tech., cryst., dms. c.l. works lb. .20 - —
dms., l.c.l., works lb. .22 - .26
tech., soln, 50%, tanks, frt. equald., basis ammonium thiocyanate content lb. .17¼- —
Ammonium thioglycollate, coml., cbys., 100% basis lb. 1.33 - 1.65
Highly purif., cbys. 100% basis. lb. 1.70 - 1.96
d-Amphetamine hydrochloride, dibasic, bots. lb.17.50 -23.00
dl-Amphetamine hydrochloride, dibasic, bots. lb. 4.50 - 6.00
d-Amphetamine hydrochloride, monobasic, dms lb.17.50 -21.00
d-Amphetamine phosphate, fib. dms., 100-lb. lots lb.15.00 - —
dl-Amphetamine phosphate, dms. lb. 4.20 - 5.00
d-Amphetamine sulfate, fib. dms., lb.15.00 -17.00
dl-Amphetamine sulfate, fib. dms., lb. 4.20 - 5.00
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt. alld. E. of Rockies lb. .18½- .19
dms., l.c.l., same basis lb. .20 - .20½
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg. dms., c.l., dlvd lb. .19 - —
dms., l.c.l., dlvd lb. .21½- —
tanks, dlvd. lb. .16½- —
Tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18½- —
tanks, dlvd. lb. .14½- —
Syn., oxo process, dms., c.l., dlvd. lb. .19 - —
dms., l.c.l., dlvd lb. .20½- —
tanks, dlvd. lb. .16½- —
Amyl alcohol, ex fusel oil (see Fusel oil refd.).
Amyl alcohol, ferment, refd., 128°-132°C., dms., l.c.l., dlvd lb. .43½- —
refd., ACS grade, dms., l.c.l., dlvd lb. .45½- —
Amyl alcohol, ex pentane, mixed, amyls, dms., c.l., frt. alld. lb. .19 - —
dms., l.c.l., frt. alld lb. .20½- —
tanks, frt. alld lb. .16½- —
primary, dms., c.l., frt. alld. lb. .19¾- .20¼
dms., l.c.l., frt. alld lb. .21¼- .21¾
tanks, frt. alld lb. .17¼- .17¾
sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., works lb. .20½- —
tanks, works lb. .17 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
dms., l.c.l., frt. alld. E lb. .18½- —
tanks, frt. alld. E lb. .14½- —
Amyl alcohol, 1-pentanol (syn. normal), dms., c.l., works lb. .41½- —
dms., l.c.l., works lb. .43 - —
tanks, works lb. .39½- —

Amyl alcohol, 2-pentanol, dms., c.l., works lb. .63 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms. lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.75 - 2.20
p-tert Amyl phenol, dms., c.l., works. lb. .26¾- —
dms., l.c.l., works lb. .27¾- —
Amyl salicylate, cns., dms. lb. .80 - 1.10
Amyris oil, dms. lb. 1.25 - 1.75
Anethole, USP, cns., dms. lb. 1.25 - 1.70
Tech., dms. lb. .85 - .90
Angelica root, dom., bls. lb. .60 - .65
Angelica root oil, bots. lb.120.00 -140.00
Angelica seed oil, bots. lb.120.00 -130.00
Aniline, dms., c.l., frt. alld. lb. .20 - —
dms., l.c.l., frt. alld. lb. .21 - —
tanks, frt. alld. lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., truckloads, 20,000 lbs. min., frt. alld. lb. .33 - —
dms., l.c.l., same basis lb. .35 - —
Anise oil, USP, dms. lb. 2.00 - 4.05
Anise seed, Mexican, bgs. lb. .20 - —
Spanish, bgs. lb. .20 - —
Anisic aldehyde, dms. lb. 1.85 - 2.20
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 90-95%, dms., c.l., t.l., f.o.b., works lb. .42½- —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .45 - —

Anthranilic acid, 99%, 150-lb. dms., dlvd. lb. 1.15 - —
Anthraquinone, 99.5%, bbls., c.l., frt. alld. lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —
Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines, lb. .29 - —
cs., c.l., mines lb. .29½- —
Antimony oxide, bgs., c.l., frt. alld. lb. .24½- —
bgs., l.c.l., frt. alld. lb. .26 - —
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots, dlvd. lb. .23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb. dms. lb. .69½- —
USP, powd., 250-lb. dms. lb. .74½- —
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, 25-oz. lots oz.35.60 - —
Apricot kernel oil, USP, dms. lb. .85 - 1.25
Arabic gum, amber sorts, bgs. lb. .21 - .23
USP, powd., bbls. lb. .26 - .29
Areca nuts, powd., bbls. lb. .13 - —
Arecoline hydrobromide, NF, bots., tins oz. 3.75 - —
l-Arginine, free base, dms., 10-kilo lots or more kilo.90.00 - —
l-Arginine glutamate, dms., 10-kilo lots or more kilo.60.00 - —
l-Argenine monochloride, dms., 10-kilo lots or more kilo.60.00 - —
Arnica flowers (true Montana), bls. lb. 1.40 - 1.50
Arsenic, crude (95%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .031 - —
Arsenic trioxide, USP, dms. lb. .48 - —

Arsenic white, powd., bbls., c.l., works lb. .04½- —
bbls., l.c.l., works lb. .06½- .07½
Arsenous acid, tech. (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).
Arylid maroons deep shades, bbls. lb. 3.70 - —
Light shades, bbls. lb. 2.85 - —
Maroon shade, bbls. lb. 3.70 - —
Asafetida gum, cns. lb. .40 - —
Powd. bbls., dms. lb. .85 - —
Asbestine (see Talc fibrous, New York).
Asbestos, Canadian crude
6D, c.l. (30 tons) mines ton.86.00 - —
7D, c.l. (30 tons) mines ton.75.00 - —
7F, c.l. (30 tons) mines ton.71.00 - —
7H, c.l. (30 tons) mines ton.61.00 - —
7K, c.l. (30 tons) mines ton.50.00 - —
7M, c.l. (30 tons) mines ton.44.00 - —
7R, c.l. (30 tons) mines ton.43.00 - —
7RF, c.l. (30 tons) mines ton.44.00 - —
7T, c.l. (30 tons) mines ton.41.00 - —
7TF, c.l. (30 tons) mines ton.44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP dms., 25-100 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
bots., 1-kilo lots kilo.12.00 - —
bots., 500-gram bots. kilo.12.50 - —
Ash black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.40.00 - —
ex-whse, N. Y., N. J. ton.86.50 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton.35.00 - —
select, 350°F. fusing pt., bgs., c.l., mines ton.41.00 - —
270°-295°F. fusing pt., bgs., c.l., mines ton.40.00 - —
Manjak No. 10 crude, dms., works. lb. .07 - —



S. B. PENICK & COMPANY 100 CHURCH ST., NEW YORK 8 735 W. DIVISION ST., CHICAGO 10

sphalt, petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion tanks tankwagon, refy. gal. .09¼- —
sphalt, petroleum, steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration tanks, tankwagon, refy ton.20.00 - —
spirin (see Acetylsalicylic Acid).
tropine, NF, tins oz. 5.75 - 6.50
tropine sulfate, USP, bots. oz. 5.00 - 5.50
vocado oil, f.o.b. Calif., cns. lb. 2.25 - —

B

acitracin, bulk, 1,000,000.00 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
alm of Gilead buds, dried, bgs lb. 1.25 - 1.35
arberry root bark, bgs. lb. .28 - .30
arbital, NF, 100-lb. dms. lb. 4.50 - —
arbital sodium, NF, dms. lb. 4.75 - —
arium carbonate precip. bgs., c.l., works ton.111.50 - —
bgs., smaller lots, works ton.125.50 - —
arium chlorate, dms., works lb. .32 - .41
arium chloride, annyd. bgs., c.l., works ton.176.00 - —
bgs., l.c.l., works ton.190.00 - —
arium chloride, NF, cryst., 100 lb. dms lb. .22 - —
Tech., cryst., bgs., c.l., works, 100 lbs. 7.00 - —
bgs., l.c.l., works 100 lbs. 8.00 - —
arium chromate, bgs, frt. equald.lb. .38 - —
arium dioxide (see Barium peroxide).
arium hydrate, cryst., bgs., c.l., t.l., frt. equald ton.208.00 - —
bgs., l.c.l., l.t.l., frt. equald ton.218.00 - —

Barium monoxide (see Barium oxide).
Barium nitrate, bbls., c.l., t.l., dlvd. lb. .16 - —
bbls., l.c.l., l.t.l., dlvd. lb. .17 - —
Barium oxide, grd., dms., c.l., t.l., frt. equald ton.275.00 - —
dms., l.c.l., l.t.l., frt. equald. ton.285.00 - —
Barium peroxide, dms., frt. equald. lb. .20 - —
Barium stearate, ctns., c.l., frt. alld. lb. .41 - —
ctns., l.c.l., same basis lb. .42 - .46
Barium sulfate, tech. (see Barytes and blanc fixe).
Barium sulfate, X-ray, dms. lb. .15 - .15½
Barium sulfide, dms., c.l., works. ton.100.00 - —
dms., l.c.l., works ton.110.00 - —
Barytes, southern, off-color, bgs., mines ton.25.00 - —
95-75%, bgs., mines ton.25.00 - —
white, water-grd., paper bgs., c.l., St. Louis ton.55.00 -55.25
paper bgs., ex whse., New York ton.79.85 - —
Battery acid, cbys. c.l. works, E. 100 lbs. 2.35 - —
cbys., l.c.l., works, E 100 lbs 2.65 -10.95
Bauxite, bulk, mines ton. 7.00 -10.00
Bay oil, NF, Puerto Rican, 50-55% cns lb. 2.10 - 3.05
55-60%, cns. lb 2.50 - 3.05
West Indian, 50-55% cns. dms., lb 2.30 - 3.00
Bayberry wax, bgs lb .45 - .47
Beeswax, crude, African, bgs lb. .55 - .57
Brazilian, bgs. lb. .56 - .58
Central American, bgs lb. .55 - .57
Chilean, bgs. lb. .58 - .60
Refd., USP bleached, white, bricks, 100-lb ctns lb. .69 - .71
white, slabs, 100-lb. ctns lb. .68 - .70
yellow, bricks, 100-lb ctns lb. .60 - .62
yellow, slabs, 100-lb ctns lb. .58 - .60

Belladonna leaf, bls. lb. .30 - —
Belladonna root, bls. lb. .30 - —
Bentonite, dom. 200 mesh, bgs., c.l., mines ton.14.00 - —
Imp. ftalian, white, high gel., bgs., 5-ton lots, ex whse ton.91.00 - —
bgs., 1-ton lots, ex whse ton.94.00 - —
low gel., bgs., 5-ton lots ex whse ton.89.35 - —
bgs., 1-ton lots, ex whse ton.92.35 - —
Benzal chloride, cbys., works lb. .44 - —
Benzaldehyde, NF, dms. lb. .80 - .86
Tech., cbys., dms., t.l. lb. .43 - —
cbys., smaller lots lb. .44 - —
Benzene, coaltar, pure or nitration, tanks, works:
Bethlehem, Pa. gal. .31 - —
Birmingham district gal. .31 - —
Chicago district gal. .31 - —
Cleveland district gal. .31 - —
Geneva, Utah gal. .31 - —
Johnstown, Pa. gal. .31 - —
Lackawanna, N. Y. gal. .31 - —
Lone Star, Tex. gal. .31 - —
Lorain, Ohio gal. .31 - —
Middletown, Ohio gal. .31 - —
Minnequa, Colo. gal. .31 - —
Philadelphia district gal. .31 - —
Pittsburgh district lb. .31 - —
Sparrows Point, Md. gal. .31 - —
Syracuse, N. Y. gal. .31 - —
Terre Haute, Ind. gal. .31 - —
Youngstown, Ohio gal. .31 - —
Benzene, petroleum, nitration or industrial, Houston, Tex., tanks, gal. .31 - —

Benzene hexachloride, 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride, tech., high gamma, dms., c.l. dlvd. gamma unit-lb. .00825- —
dms., l.c.l., works gamma unit-lb. .009 - .0095
low gamma, dms., c.l. dlvd. gamma unit-lb. .00825- —
dms., l.c.l., works gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.19 - —
bbls., l.c.l., same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow, AAA, bbls. dlvd. lb. 2.30 - —
AAOT, bbls., dlvd. lb. 2.55 - —
Lightfast, bbls., dlvd. lb. 3.40 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzoic acid, tech., bbls., dms., c.l., t.l., frt., alld lb. .37 - —
bbls., dms., ton lots, same basis lb. .41 - —
bbls., dms., 1,000-lb. lots, same basis lb. .43 - —
USP, bbls., dms., ton lots lb. .48 - —
bbls., dms., 1,000-lb. lots lb. .50 - —
Benzoin gum, Sumatra, cs. lb. .33 - —

Benzol

Benzol quotations, both coaltar and petroleum, may be found under Benzene.

Benzophenone, dms. lb. 1.40 - 1.70
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt., equald lb. .21 - —
cbys, smaller lots, frt., equald lb. .23 - —
Benzoyl chloride, cbys., dms., c.l., works, frt., equald lb. .22 - —
cbys., l.c.l., same basis lb. .23 - —
tanktrucks, dlvd. Metropolitan area lb. .21 - —
Benzoyl peroxide, purif., fib. cms., 50 to 1,000-lb. lots, works lb. .93 - 1.02
Benzyl acetate, f.f.c., cns., dms lb. .68 - .79
Benzyl alcohol, NF, dms. lb. .58 - .60
Tech., dms., dlvd. lb. 47½- .65
Benzyl benzoate, USP, NF, 40-lb. dms lb. .63 - —
Benzyl chloride, tech., cbys., dms., c.l., works, frt., equald lb. .22½- .25½
cbys., dms., l.c.l., same basis lb. 23½- 25½
tanktrucks, dlvd., Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal cbys. In steel dms. prices are ½c. lower.
Benzyl cinnamate, cns. lb. 3.30 - 3.60
Benzyl dimethylamine, dms., works. lb. 2.25 - —
Benzyl formate, cns. lb. 1.85 - 2.10
Benzyl isoeugenol, cns. lb. 9.85 - —
Benzyl propionate, bots. lb. 1.35 - 1.65
Benzyl salicylate, bots. lb. 1.60 - 1.85
Benzylidine acetone, bots. lb. 1.75 - 1.80
Benzylidine chloride, (see Benzal chloride).
Berberine bisulfate, cns. lb.35.00 -36.25
Berberine hydrochloride, bots. lb.35.00 -36.25
Bergamot oil, nat., NF, Italian, cns. lb.12.75 -14.00
Betagammapicoline (see b,g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid)
Betamethylnaphthalene (see b-Methylnaphthalene).
Betanaphthol (see b-Naphthol)
Betanaphthylamine (see b-Naphthylamine)
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, tech.).
Biotin, cryst., bots. gram.10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil, crude, cns. lb. 1.50 - 1.90
Rectified, cns. lb. 1.75 - 2.00
Bismuth chloride, jars lb. 5.11 - —
Bismuth hydroxide, dms. lb. 4.60 - 4.65
Bismuth metal, bxs., ton lots lb. 2.25 - —
Bismuth nitrate, cryst., dms. lb. 2.06 - 2.17
Bismuth oxide, anhyd., dms. lb. 4.47 - 5.05
Bismuth oxychloride, dms. lb. 4.37 - 4.43
Bismuth subcarbonate, USP, dms. lb. 3.20 - —
Bismuth subgallate NF fib. dms lb. 3.15 - —
Bismuth subiodide, NF, fib. dms. lb. 5.37 - —
Bismuth subnitrate, NF dms. lb. 2.65 - —
Bismuth subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Bisphenol-A, bgs., c.l., t.l., single shipt., 70,000-lbs. or more, frt. alld lb. .29½- —
bgs., c.l., t.l., less than 70,000-lbs., same basis lb. .30 - —
bgs., l.c.l., same basis lb. .31 - —
Blackberry root bark, bls. lb. .50 - .55
Black haw root bark, bls. lb. .63 - .65
Black haw tree bark, bls. lb. .45 - .50

Black Pigments

Black pigment quotations are listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs. c.l., works ton.145.00 - —
bgs., l.c.l., works ton.155.00 - —
bgs., l.c.l., New York whse ton.195.00 - —
Blood, dried, 16-16½% ammonia, New York unit-ton. 6.75 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago, unit-ton. 7.50 - —
Blood, dried, soluble, bgs., c.l. lb. .12 - .13
bgs., t.l. lb. .14 - .17
bgs., l.t.l. lb. .15 - .30
Bloodroot, bls lb. .48 - .50

Blue Pigments

Blue pigment quotations are listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

mologists estimate the weight of all the earth's insect ulation exceeds the weight of *all us humans!*

ugh insects far outnumber people, the discovery of and improved insecticides has checked their ructive inroads.

minent in this battle is a wide range of insecticidal erial made and marketed by Penick. From our nsive entomological research have come a number of c formulations. Many owe their efficacy to oxide®, Penick's powerful synergist. Ryania, another ck insecticide, chooses between friend and foe—harmful insects, but permits the helpful species to live. thrum from our Ecuador plantation is an arch-ny of flies and roaches—literally knocks 'em dead!

Penick helps kill rats and undesirable fish, too.

most in the field of rodenticides is our Dethmor® farin. Pro-Noxfish® improves fishing by safely speedily eradicating trash fish in lakes, farm ponds, ms, and reservoirs.

ck provides protection against most forms of insect animal pests. We're good people to talk to about any ct of pesticides.

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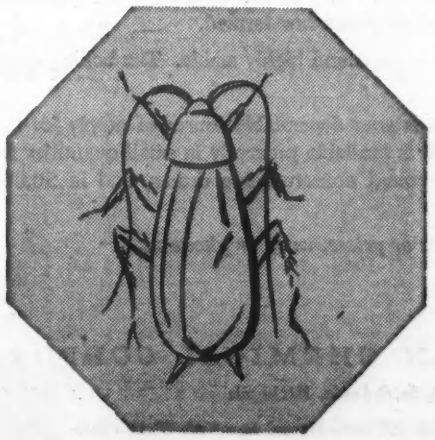
Agricultural Chemical and Insecticide Division



Blue Dyes—Calamine

Blue dyes (see Dyes)
Blue vitriol (see Copper sulfate)
Bois de rose oil, Brazilian, dms. lb. 1.90 - 2.55
Peruvian, dms. lb. 1.80 - 2.25
BON acid maroons, pure, bbls lb. 1.75 - —
Resinated, bbls. lb. 1.50 - —
Bone black, dms., l.c.l. frt. alld lb. .18 - .22¾
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed, works, E ton.65.00 - —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate, precip. (see Calcium phosphate, tribasic).
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.87.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 7.19 - —
bgs., smaller lots, same basis, 100 lbs. 8.44 -10.44
bulk, c.l., works ton.78.50 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.47.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 5.19 - —
bgs., smaller lots, same basis, 100 lbs. 6.44 - 8.44
bulk, c.l., works ton.41.00 - —
gran., pentahydrate, 99½%, bgs., c.l., works ton.63.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 5.97 - —
Borax, gran., pentahydrate, 99½%, bgs., smaller lots, same basis, 100 lbs. 7.22 - 9.22
bulk, c.l., works ton.56.50 - —
powd., 99½%, bgs., c.l., works, ton.52.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 6.34 - —
bgs., smaller lots, same basis, 100 lbs. 7.59 - 9.59
USP borax $15 per ton higher in bags.
Bordeaux powder, tribasic, bgs., c.l., dlvd lb. .24 - —
bgs., l.c.l., same basis lb. .26 - —
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton.335.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs.19.50 - —
bgs., smaller lots, same basis, 100 lbs.21.75 -23.75
cryst., 99.9%, bgs., c.l., works, ton.160.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lb .10.87 - —
bgs., smaller lots, same basis, 100 lbs.12.12 -14.12
dms., c.l., works ton.185.00 - —
dms., ton lots, ex whse, New York or Chicago, 100 lbs.12.12 - —
dms., smaller lots, same basis 100 lbs.12.87 - —
gran., 99.9%, bgs., c.l., works, ton.108.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 8.29 - —
Boric acid, gran., 99.9%, bgs., smaller lots, same basis, ton.170.75 - —
dms., c.l., works ton.133.50 - —
dms., ton lots, ex whse, New York or Chicago 100 lbs. 9.54 - —
dms., smaller lots, same basis, 100 lbs.10.29 - —
powd., 99.9%, bgs., c.l., works, bgs., ton lots, ex whse, New York or Chicago 100 lbs. 8.67 - —
bgs., smaller lots, same basis, 100 lbs. 9.92 -11.92
dms., c.l., works ton.141.00 - —
dms., ton lots, ex whse, New York or Chicago 100 lbs. 9.62 - —
dms., smaller lots, same basis 100 lbs.10.67 - —
USP boric acid $25 per ton higher in bags.
Borneol, crs. lb. 2.75 - —
Boron trichloride, CP, 1,800-lb. cyls., works lb. 1.25 - —
100-lb. cyls., works lb. 1.70 - —
Boron trifluoride gas, cyls, truckload, works lb. .62 - —
cyls., l.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Broenner's acid, bbls. lb. 1.76 - —
Bromine, purif., cs., c.l., t.l., dlvd. E of Rockies lb. .32 - —
c.s., l.c.l., same basis lb. .34 - .39
ret. dms., c.l., t.l., dlvd. E of Rockies lb. .31 - —
ret. dms., l.c.l., same basis lb. .31 - .34
tanks, same basis lb. .21½ - —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
dms., l.c.l., same basis lb. .50 - —
tanks, same basis lb. .47 - —
Bromoform, pharmaceutical grade, 100-lb. cbys. lb. 1.80 - 1.90
Bromstyrol, bots. lb. 5.45 - 5.70
Brucine, cns., 100-oz. lots oz. 1.26 Nom.
Brucine sulfate, NF, cns., 100-oz. lots oz. 1.20 Nom.
Buchu leaves, bls. lb. 1.20 - —

Brown Pigments

Brown pigment quotations are listed individually. For example, prices on Brown, iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, refd. cyls., c.l., refy lb. .21 - —
cyls., l.c.l. refy lb. .22 - —
tanks, contract, refy lb. .14½ - .15
n-Butyl acetate, ferment, dms., c.l., frt alld lb. .17 - —
dms., l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .14½ - —
Syn., dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .14½ - —
sec-Butyl acetate, syn., dms., c.l., dlvd.E lb. .14¾ - —
dms., l.c.l., same basis lb. .16¼ - —
tanks, same basis lb. .12¼ - —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed frt. alld. E. lb. .57½ - —
dms., l.t.l., same basis lb. .58½ - —
tanks, same basis lb. .55 - —
Prices of n-butyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Butyl alcohol, ferment, dms., c.l., frt. alld lb. .17 - —
dms., l.c.l., frt. alld lb. .18½ - —
tanks, frt. alld lb. .14½ - —
Syn., dms., c.l., dlvd lb. .17 - —
dms., l.c.l., frt. alld lb. .18½ - —
tanks, dlvd lb. .14½ - —
Butyl alcohol, sec-synthetic, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .12½ - —
Butyl alcohol, tert-synthetic, dms., c.l., frt. alld. dlvd. E lb. .15 - —
dms, l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms., c.l., works lb. .37½ - —
dms., l.c.l., works lb. .38¼ - —
n-Butyl ether, dms., c.l., works lb. .35¼ - —
dms., l.c.l., works lb. .36 - —
tanks, works lb. .33¼ - —
Butyl lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ - —
dms., l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40 - —
Butyl laurate, dms., works lb. .37½ - —
Butyl methacrylate, dms., c.l., t.l., works lb. .55 - —
dms., l.c.l., works lb. .55½ - —
Butyl oleate, refd., dms., l.c.l., works lb. .32 - —
Butyl phenylacetate, dms. lb. 4.50 - 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate, dms., c.l., frt. alld. E. of Mississippi lb. .27¼ - —
dms., l.c.l., same basis lb. .28¼ - —
Butylamine (see Mono-, Di- and Tributylamine).
6-tert-Butyl-m-cresol (see mono-tert-m-cresol).
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol).
p-tert-Butylphenol, bgs., c.l., dlvd. lb. .27½ - —
bgs., l.c.l., works lb. .28½ - —
Butyraldehyde, dms., c.l., dlvd lb. .22 - —
dms., l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .19½ - —
Butyric acid, 99%, dms., c.l., frt. equald lb. .34 - —
dms., l.c.l., same basis lb. .34½ - —
tanks, same basis lb. .32½ - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium CP red, dark shade, bbls., frt. alld. E. of Rockies lb. 5.45 - —
Light shade, bbls., same basis lb. 4.55 - —
Medium shade, bbls., same basis, lb. 5.20 - —
Medium light shade, bbls., same basis lb. 4.80 - —
Orange-red shade, bbls., same basis lb. 4.20 - —
Yellow, all shades, bbls., frt. alld. E. of Rockies lb. 3.75 - —
Cadmium iodide, 25-lb. fib. dms. lb. 6.75 - 7.00
Cadmium metal, ingots or sticks, cs., dlvd. lb. 1.45 - —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. alld. E. of Rockies lb. 1.61 - —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.91 - —
light shade, bbls., same basis lb. 1.68 - —
Medium shade, bbls., same basis, lb. 1.83 - —
Medium light shade, bbls., same basis lb. 1.76 - —
Maroon shade, bbls., same basis lb. 1.99 - —
Cadmium-selenide lithopone maroon, bbls., frt. alld. E. of Rockies, lb. 2.72 - —
Maroon, dark shade, bbls., same basis lb. 2.77 - —
Orange, bbls., same basis lb. 1.54 - —
Red, orange-red shade, bbls., same basis lb. 1.62 - —
Red, light shade, bbls., same basis, lb. 1.84 - —
Red, medium-light shade, bbls., same basis lb. 1.96 - —
Red, medium shade, bbls., same basis lb. 2.19 - —
Red, dark shade, bbls., same basis, lb. 2.52 - —
Cadmium-selenide lithopone yellow, all shades, bbls., frt. alld. E. of Rockies lb. 1.15 - —
Caffeine, NF, citrated, cms., 100-lb. lots or more lb. 2.70 - —
USP, nat., cryst., anhyd., 100-lb. lots or more lb. 2.10 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 1.96 - —
Syn., cryst., anhyd., dms., 100-lb. lots or more lb. 2.10 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 1.96 - —
Cajuput oil, native, cns. lb. 1.75 - 2.55
Redist., USP, cns lb. 1.90 - 2.10
Calamine, USP, dms. lb. .34 - —

For a versatile, multipurpose intermediate

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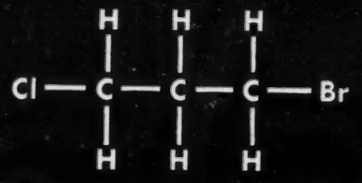

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Chloropropyl dialkyl amines

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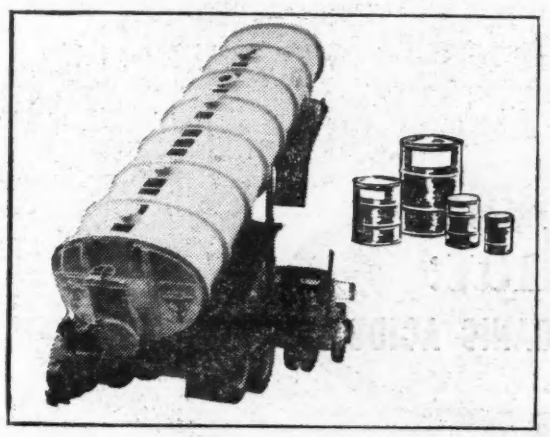
Calciferol, cryst., 10-kilo or more lots, works gram .54 - —
1-10 kilo lots gram .55 - —
Calciferol, in edible oil (see Viosterol).
Calcium p-aminosalicylate, trihydrate, fib. dms., 100 lbs. or more, frt. adjusted lb. 4.00 - —
Calcium arsenate, dealers, bgs., c.l., frt. alld. lb. .09 - .09¼
bgs., l.c.l., same basis lb. .10 - .10½
Calcium bromide, NF, 100 lbs. or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb. dms., c.l., dlvd. ton 149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton 10.50 - —
chalk, whiting, 325 mesh, bgs., c.l., works ton 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton 30.00 - —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
Calcium carbonate, precip., dense, bgs., c.l., works ton 30.00 -35.00
bgs., l.c.l., works ton 45.00 -50.00
medium, bgs., c.l., works ton 38.00 - —
bgs., l.c.l., works ton 42.00 - —
Calcium carborate, precip., surface treated, bgs., c.l., works. ton 40.00 -42.00
bgs., l.c.l., works ton 55.00 -57.00
ultrafine, bgs., c.l., works ton 117.50 -167.50
bgs., l.c.l., works ton 137.50 -187.50
Calcium chloride, flake, 77-80%, paper bgs., c.l., works, frt. equald. ton 31.00 - —
Conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald ton 37.80 - —
Calcium chloride, powd., 77% min., paper bgs., c.l., works, frt. equald. ton 37.00 - —
Purif., gran., dms. lb. .27 - —
USP, gran., dms. lb. .32 - —
Liquor, 40%, tanks, frt. equald. ton 12.50 - —
Solid, 73-75%, dms., c.l., frt. equald ton 29.50 - —
dms., l.c.l., works, frt. equald. ton 36.00 -73.00
Calcium chromate, bgs., frt. equald. lb. .29½- .30
Calcium cyanide, dms., c.l., dlvd. E. of Rockies lb. .20 - —
dms., l.c.l., same basis lb. .24 - .55
Calcium cyclamate, 100-lb. dms. lb. 1.93 - —
Calcium gluconate, AA, ton-lots lb. .78½- —
USP, ton-lots lb. .66½- —
Calcium hydride, lump, dms., works. lb. 2.20 - 3.00
Calcium hypochlorite, high test, 45-lb cs., dlvd. E. of Rockies. cs. 22.95 -25.10
100-lb. dms., same basis dm. 30.80 -34.50
Calcium hypophosphite, dms., 1,000-lb lots lb. 1.28 - —
Calcium iodide, jars lb. 4.52 - —
Calcium lactate, NF, dms., 10,000-lb. lots or more, works lb. .36 - .40
smaller lots, works lb. .41 - .48
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Calcium naphthenate, liq., 4% Ca., dms., frt. equald lb. .30 - —
Calcium pantothenate, dms., frt. adjusted kilo. 35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenolsulfonate, dms. lb. 1.14 - 1.15
Calcium phosphate, dibasic, USP, bgs., c.l., frt. equald. 100 lbs. 8.25 - —
bgs., l.c.l., frt. equald 100 lbs. 9.00 - —
feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton 83.25 - —
bgs., c.l., t.l., f.o.b. Texas City works ton 77.70 - —
bgs., l.c.l., frt. equald ton 93.25 - —
21% P., bgs., c.l., t.l., frt. equald ton 94.50 - —
bgs., l.c.l., frt. equald ton 104.50 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bg., c.l. prices
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald. 100 lbs. 7.43 - —
bgs., smaller lots, same basis, 100 lbs. 7.93 - —
Calcium phosphate, tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald. 100 lbs. 10.00 - —
Calcium phytate bgs., works lb. .50 - —
Calcium resinate precip, dms. ton lots, frt. alld., works lb. .36½- —
Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
bgs., l.c.l., works lb. .06½- —
Calcium silicate, paint grade (see Wollastonite).
Calcium stearate, ctns., c.l. lb. .39 - —
ctns., l.c.l. lb. .40 - .44
Calcium sulfate (see Gypsum)
Calomel, NF X, powd., 100-lb. dms. lb. 5.42 - —
Camphene 46° m.p., dms. incl., c.l., works lb. .15 - —
dms. incl. l.c.l., same basis lb. .16½- —
tanks, same basis lb. .12½- —
Camphene, chlorinated 67-69% (see Toxaphene)
Camphor, monobromated, NF, dms., kgs. lb. 3.63 - 3.70
Camphor, nat., USP powd. cs., 100-lb. lots lb. .60 - .65
tablets, 1-oz. cs. lb. .83 - .90
USP, gran., powd. bbls., 2,000-lb. lots lb. .59 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots lb. .61 - —
tablets, ctns., 1,000-lb. lots lb. .85 - —
ctns. 500-lb. lots lb. .86 - —
ctns. smaller lots lb. .87 - —
tech., 1 bbl. or more lb. .45 - —
Camphor oil, sassafrassy, dms. lb. .40 - .65
White, dms. lb. .29 - .50
Cananga oil, native, cns. lb. 7.25 - 8.00
Rectified, cns. lb. 9.55 -11.25
Candelilla wax, crude, bgs. lb. .53 - .54
Refd., bgs. lb. .59 - .61
Powdered Candelilla wax 20 to 100 mesh, 8c. higher.
Cantharides, Chinese, cs. lb. 2.00 - 2.05
powd., bxs. lb. 2.25 - 2.30
Russian, bgs. lb. 2.75 - —
powd., bxs. lb. 3.00 - 3.25
Capric acid, dms. lb. .31½- .34
tanks lb. .29 - —
Capryl alcohol, 85% dms., c.l., and t.l., works lb. .19 - —
dms., l.t.l., same basis lb. .19½- —
tanks, frt. equald lb. .16½- —
Sec. 92-99%, dms., c.l. lb. .22 - —
dms., l.c.l. lb. .23 - —
tanks lb. .19½- —
Caprylic acid, dms. lb. .31½- .34
tanks lb. .29 - —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms. lb. 4.00 - 4.75
NF, from African pepper, dms lb. 4.50 - 5.25
Caraway oil, dms lb. 3.10 - 3.50
Caraway seed, Dutch, bgs. lb. .13 - —
Polish, bgs. lb. .12½- —

Carbazole, 97%, bgs., ton lots, works lb. 1.68 - —
Carbon black, channel, rubber heads, bulk, c.l., works lb. .07½- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., works lb. .14½- —
Carbon black, furnace, fast extruding, bgs., c.l., works lb. .06¾- —
ctns., l.c.l., whse. lb. .12½- —
high abrasion, bulk, c.l., works, lb. .07¼- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., dlvd. or whse lb. .13½- —
high modulus, bgs., c.l., works, lb. .06¾- —
ctns., l.c.l., whse. lb. .12 - —
semi-reinforcing, bgs. c.l., works, lb. .05¾- —
bgs., ctns., l.c.l., whse lb. .11½- —
Carbon black, pigment, high color beads, ctns., c.l., works lb. .72 - —
ctns., l.c.l., dlvd. or whse lb. .79 - —
medium color, uncompressed, bgs., c.l., works lb. .13½- —
bgs., l.c.l., dlvd. or whse. lb. .21 - —
Carbon dioxide indust. wholesale, bulk, dlvd., Metropolitan area ton 73.00 -115.00
50-lb. cyls., dlvd. lb. .09 - .11
Solid, bulk, wholesale, works ton 85.00 - —
Carbon disulfide, 55-gal. dms. c.l., works, frt. equald to competitive points lb. .07 - —
55-gal. dms. l.c.l., same basis lb. .08½- .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
5-gal. dms., less than 30 dms., same basis lb. .16 - —
tanks, dlvd. lb. .0545- —
Carbon tetrachloride, CP, consumers, dms., c.l., frt. alld lb. .12¾- —
dms., l.c.l., frt. alld. lb. .15¼- —

Carbon tetrachloride, tech., consumers, dms., c.l., t.l., frt. alld. lb. .11¼- —
dms., l.c.l., t.l., frt. alld lb. .14¼- —
tanks, frt. alld. lb. .10¾- .11¼
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
dms., smaller lots, works lb. 4.10 - 4.75
Cardamom oil, NF, bots. lb. 45.00 -55.00
Cardamom seed, bleached, "A" lb. 2.95 - —
Bleached, "B" lb. 2.80 - —
Decorticated Alleppey, cs lb. 2.85 - —
Guatemala, cs. lb. 2.85 - —
Green, Alleppey, bgs lb. 2.70 - —
Ceylon, bgs. lb. 2.25 - —
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd. lb. 16.80 - —
bulk, smaller lots, dlvd. lb. 16.90 -17.30
Carnauba wax, chalky, bgs., ton lots lb. .70 - .72
North country, No. 2, crude, bgs., ton lots lb. .78 - .80
refd., pure, ton lots lb. .90 - .92
North country, No 3, Ceara, crude, bgs., ton lots lb. .73 - .75
Ceara, refd., pure, bgs., ton lots lb. .80 - .82
Parnahyba, crude, bgs., ton lots lb. .74 - .75
Parnahyba, refd., pure, bgs., ton lots lb. .80 - .82
Yellow, No. 1, Ceara, bgs., ton lots lb. 1.14 - 1.15
Parnahyba, bgs., ton lots lb. 1.16 - 1.17
Powdered carnauba wax, 20 to 100 mesh, 8c. higher.

Carotene, tech., 1,350,000 A units per gram, tins 5-10 kilo lots, dlvd gram .24½- —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works million units .12 - —
USP, microcrystalline in oil, 400,000 A units per gram, dms., dlvd million units .174 - —
b-Carotene in vegetable oil, semi-solid suspension, 400,000 A units per gram, cns kilo 69.00 - —
Liquid in vegetable oil, 500,000 A units per gram., cns kilo 87.00 - —
Pure, cryst., 1,600,000 to 1,670,000 A units per gram., cns. gram .29 - —
Carvol, bots. lb. 5.00 5.40
Cascara sagrada bark, bulk lb. .30 - —
Casein, dom., edible, acid precip., 30 mesh., bgs., 10,000-lb. lots or more, works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb lots or more, works lb. .64 - —
Imp., inedible, acid-precip. grd., Argentine, bgs., c.l., ex-dock, Eastern seaports lb. .21 - .21¼
New Zealand, bgs., c.l., same basis lb. .24 - .24½
Cashewnut shell liquid, treated dms., c.l., Newark, N. J. lb. .22 - —
dms., ton lots, same basis lb. .23 - —
dms., dm. lots, same basis lb. .25 - —



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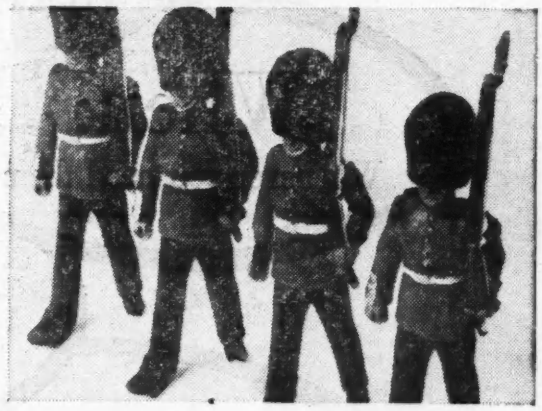

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Cassella Acid—Cinnamic Aldehyde

Cassella acid, dms., frt. alld., 100% basis	lb.	1.44	- 1.75
Cassia, Padang, "A," bls.	lb.	.32	- —
"B," bls.	lb.	.30	- .31
"C," bls.	lb.	.29	- .30
Korintje "A," bls.	lb.	.32	- —
"B," bls.	lb.	.30	- .31
"C," bls.	lb.	.29	- .30
Cassia oil (see Cinnamon leaf oil, USP).			
Castor oil, dom., blown, dms., c.l.	lb.	.2550-	—
dms., l.c.l.	lb.	.2650-	—
dehydrated, bodied, dms. c.l.	lb.	.2700-	—
dms., l.c.l.	lb.	.2850-	—
tanks	lb.	.2500-	—
dehydrated, unbodied, dms., c.l.	lb.	.2560-	—
dms., l.c.l.	lb.	.2660-	—
tanks	lb.	.2360-	—
hydrogenated, bgs., ton lots	lb.	.2750-	—
bgs., l.c.l., dlvd	lb.	.2950-	—
No. 1, dms., c.l.	lb.	.2150-	—
dms., l.c.l.	lb.	.2250-	—
tanks	lb.	.1950-	—
No. 3, tech., dms., c.l.	lb.	.2125-	—
dms., l.c.l.	lb.	.2225-	—
tanks	lb.	.1925-	—
Refd. and deodorized, dms., c.l.	lb.	.2650-	—
dms., l.c.l.	lb.	.2750-	—
USP, dms., c.l.	lb.	.2350-	—
dms., l.c.l.	lb.	.2450-	—
tanks	lb.	.2150-	—
Imp., No. 1, Brazilian, tanks	lb.	.14¾-	.14⅞
Castor oil, sulfonated, 50%, dms., works	lb.	.15	- .15¼
75%, dms., works	lb.	.19	- .20
Castor oil acids, dehydrated, dms.	lb.	.44¼-	.46¼
Split, dms.	lb.	.37¼-	.38¼
Castor pomace, bgs., c.l., works	ton.	35.00	- —
Castoreum, nat., cns.	lb.	5.25	- —
Syn., cns.	lb.	9.00	- —
Catechol, CP, cryst., fib., dms., works	lb.	2.17½-	—
Resub., dms., works	lb.	4.29½-	—
Catnip leaves, Southern, bls.	lb.	.75	- —
Caustic potash (see Potash caustic).			
Caustic soda (see Soda, caustic).			
Cedarleaf oil, USP XIII cns., dms.	lb.	2.85	- 3.75
Cedarwood oil, cns., dms.	lb.	.51	- .65
Celery seed, French, bgs.	lb.	.36¼-	—
Indian, bgs.	lb.	.19	- —
Cellulose acetate, flake, powd., bgs., ctns., 100-lb. lots or more, dlvd., E.	lb.	.33	- .45
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E	lb.	.545	- .555
27% butyryl content, bgs., dlvd. E	lb.	.595	- .605
28% butyryl content, bgs., dlvd. E	lb.	.545	- .555
36% butyryl content, half-second, bgs., dlvd. E	lb.	.545	- .555
50% butyryl content, bgs., dlvd., E	lb.	.583	- .593
Cellulose gum, methyl (see Methyl Cellulose).			
Cellulose gum, pure, high vis., bgs., 23,000-lb lots or more works, frt. alld.	lb.	.37	- —
bgs, smaller lots, same basis.	lb.	.39	- —
Cerium chloride, 43%, dms., dlvd	lb.	.38	- —
Cerium hydrate, 74% CeO fib. dms., 100-lb. lots or more	lb.	1.40	- —
77% CeO, fib. dms. 100-lb. lots or more	lb.	1.74	- —
Cerium oxalate (see Rare earth oxalate).			
Cerium oxide, optical grade, bgs., 50-lb. lots or more, dlvd	lb.	1.85	- 1.90
bgs., smaller lots, dlvd.	lb.	1.95	- —
Cetyl alcohol, extra fib. cns., 500-lb. lots or more	lb.	.65	- .72
NF, fib. cns., 140-lb. lots or more.	lb.	.48	- —
Chalk (see Calcium carbonate).			
Chamomile flowers, Hungarian style, bls.	lb.	No prices.	
Roman, cs.	lb.	2.25	- —
Chamomile oil, blue Hungarian, bots.	lb.	350.00	- —
Charcoal, activated, NF, fib dms. c.l., works	lb.	.25	- .32
fib. dms., 5-ton lots, works	lb.	.26½-	.32½
fib. dms., smaller lots, works	lb.	.27	- .50
Charcoal, black (see Charcoal, activated).			
Charcoal, bone (see Bone black).			
Charcoal, hardwood, lump, bulk, c.l., f.o.b. plant	ton.	55.00	- —
briquets, bulk, c.l., f.o.b. plant	ton.	78.00	-80.00
8-lb. paper bgs., c.l., same basis	ton.	106.00	- —
Charcoal, hardwood, briquets, 25-lb. paper bgs., c.l., f.o.b. plant	ton.	87.00	- —
40-lb. paper bgs. c.l., same basis	ton.	84.00	- —
Chenopodium oil, NF, cns.	lb.	4.35	- 5.25
Chestnut extract, Imp. solid, 60% tannin, bgs., ex dock	lb.	.0855-	—
powd., 60% tannin, bgs., ex dock	lb.	.0969-	—
Chicago acid paste, bbls. frt. alld.	lb.	3.21	- —
Chinawood oil (see Tung oil).			
Chloral, tech, 94% min., dms., c.l., works	lb.	.23	- —
dms., l.c.l., works	lb.	.24	- —
tanks, multiple units, 5 cars, works	lb.	.21	- —
Chloral hydrate, USP, jars, 1,000-lb lots	lb.	1.00	- —
jars, 500-lb. lots.	lb.	1.03	- —
jars, 100-lb lots or less	lb.	1.05	- —
Chlordan, agricultural, dms., c.l., frt. alld	lb.	.65	- —
dms. l.c.l. 5,000 to 10,000-lb. lots, frt. alld	lb.	.66	- —
Chlordan, clarified, dms., c.l., frt. alld	lb.	.69	- —
dms., l.c.l., 5,000-10,000-lb lots, frt. alld	lb.	.70	- —
Chlorinated paraffin, 42%, dms., c.l. frt. alld	lb.	.16¼-	—
dms. l.c.l. 10 dms. or more, same basis	lb.	.17¼-	—
70%, dms., c.l., same basis	lb.	.18½-	—
dms. l.c.l. 10 dms. or more, same basis	lb.	.19½-	—
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works	lb.	.60	- —
ctns., l.c.l., works	lb.	.61	- —
Chlorinated rubber, 125, 1,000 cps., ctns., c.l., works	lb.	.70	- —
ctns., l.c.l., works	lb.	.71	- —
Chlorine, liq., cyls., c.l., works, frt. equald	lb.	.11	- —
cyls., l.c.l. Metropolitan area	lb.	.12¼-	.13¾
tanks, single units, works, frt. equald 100 lbs.		3.15	- —
tanks, multiple units, 5 cars, works, frt. equald 100 lbs.		4.03	- —
tanks, multiple units, 4 cars, same basis 100 lbs.		4.25	- —
tanks, multiple units, 2 cars, same basis 100 lbs.		5.25	- 5.75
tanks, multiple units, 1 car, same basis 100 lbs.		6.25	- 7.25
Chloroacetic acid, mono, flake, 99%, dms., c.l.	lb.	.23½-	.25½
dms., l.c.l.	lb.	.24½-	—
tech. flake, 96-97%, dms., c.l., frt. equald	lb.	.19	- —
dms., l.c.l., frt. equald	lb.	.20	- —
4-Chloro-2-aminotoluene, fused, bbls.	lb.	1.45	- —
m-Chloroaniline, dms., c.l., frt. alld.	lb.	.75	- —
dms., l.c.l., same basis	lb.	.77	- —
tanks, same basis	lb.	.73	- —
o-Chloroaniline, dms., c.l., frt. alld.	lb.	.52	- —
dms., l.c.l., same basis	lb.	.54	- —
tanks, same basis	lb.	.50	- —
p-Chloroaniline, dms., c.l., frt. alld.	lb.	.77	- —
dms., l.c.l., same basis	lb.	.79	- —
o-Chlorobenzaldehyde, dms., t.l., works, dlvd. to N.Y. Metropolitan area	lb.	1.05	- —
dms., t.t.l., same basis	lb.	1.20	- —
p-Chlorobenzaldehyde, dms., l.c.l., works, dlvd. to N. Y. Metropolitan area	lb.	1.95	- —
o-Chlorobenzoic acid, fib. dms., t.l., works	lb.	1.10	- —
fib. dms., smaller lots, works	lb.	1.25	- —
p-Chlorobenzoic acid, fib. dms., 2,000-lbs. or more, works.	lb.	2.25	- —
fib. dms., less than 2,000-lbs., same basis	lb.	2.30	- —
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	- —
dms., l.c.l., same basis	lb.	.19	- —
tanks, same basis	lb.	.17	- —
USP, dms., c.l., dlvd	lb.	.27	- —
dms., l.c.l., dlvd	lb.	.30	- —
tanks, minimum 4,000 gals., dlvd.	lb.	.25	- —
2-Chloro-4-nitroaniline, paste, dlvd. E. 100% basis	lb.	.81	- —
Powd. dlvd. E. 100% basis	lb.	.86½-	—
4-Chloro-2-nitroaniline, powd. dlvd. E	lb.	.80½-	—
o-Chlorophenol, dms., c.l., frt. equald	lb.	.37	- —
dms., l.c.l., same basis	lb.	.38	- —
p-Chlorophenol, dms., c.l., frt. equald	lb.	.37	- —
dms., l.c.l., same basis	lb.	.38	- —
Chloropicrin, coml., cyls., 180 lbs., frt. alld.	lb.	1.07	- —
cyls., 100 lbs., same basis	lb.	1.08	- —
cyls., 50 lbs., same basis	lb.	1.14	- —
Chlorosulfonic acid, dms., c.l., frt. equald	lb.	.0465-	—
dms., l.c.l., frt. equald	lb.	.0515-	—
tanks, frt. equald	lb.	.0415-	—
Chlorosulfonic acid, in stainless steel dms. ½c. per lb. higher			
Choline bitartrate, fib. dms., frt. adjusted	kilo.	2.75	- 3.00
Choline chloride, fib. dms., frt. adjusted	kilo.	2.75	- 3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted	kilo.	2.75	- 3.00
Chrome green, CP, dark, light medium blue content 1-15%, bbls., dlvd. E. of Rockies	lb.	.40	- .42
blue content 16-30%, bbls., same basis	lb.	.40	- .42
blue content 31-45%, bbls., same basis	lb.	.41	- .43
blue content 45-49%, bbls., same basis	lb.	.44	- .46
Reduced color, 25%	lb.	.19	- .20
Chrome green prices 1c. higher W. of Rockies.			
Chrome orange, CP, bbls., dlvd. E. of Rockies	lb.	.31½-	—
Chrome orange prices 1c. higher W. of Rockies.			
Chrome yellow, CP, bbls., dlvd. E. of Rockies	lb.	.31½-	—
Chrome yellow price 1c. higher W. of Rockies.			
Chromic acid, 99¾% dms., c.l., works, frt. equald	lb.	.29½-	—
dms., l.c.l., dlvd. N. Y. Metropolitan area	lb.	.30	- .31
Chromic acid, NF (see Chromium trioxide).			
Chromium acetate, soln., 7½%, 500 to 2,000 lbs., dms., works	lb.	.10	- —
Chromium fluoride, bbls., works	lb.	.51	- .52
Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld.	lb.	1.20	- —
Pure, bgs., c.l., frt. alld.	lb.	.44½-	—
bgs., l.c.l., same basis	lb.	.45¼-	—
Chromium trioxide, NF, bots.	lb.	1.13	- —
Cinchona bark, NF, red, broken, bgs.	lb.	.33	- .40
NF, yellow, broken, bgs.	lb.	.35	- .40
Cinnamic acid, refd. bots.	lb.	2.50	- 2.50
Cinnamic alcohol, bots.	lb.	1.90	- 2.20
Cinnamic aldehyde, dms.	lb.	.95	- 1.25

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Itaconic Acid—a versatile chemical building block with many applications for copolymer products—now commercially available in larger quantities and at a lower price than ever before.

Citric Acid—this excellent sequesterant is available from Pfizer in economical anhydrous form. Various salts of the acid are also available.

Tartaric Acid—this high-quality sequesterant, noted for its low toxicity, is shipped by Pfizer in powdered and fine granular forms.

Fumaric Acid—a prime raw material in the manufacture of alkyd resins and rosin adducts—available in fine granular and powdered forms.

Gluconic Acid—an outstanding sequesterant in caustic solutions, available from Pfizer in a 50% aqueous solution. Various salts of the acid are also available.

Oxalic Acid—important for its ability to solubilize iron oxide—oxalic salts are widely used in blue-printing and in gold coloring of anodized aluminum—sold by Pfizer in granular and fine granular forms.

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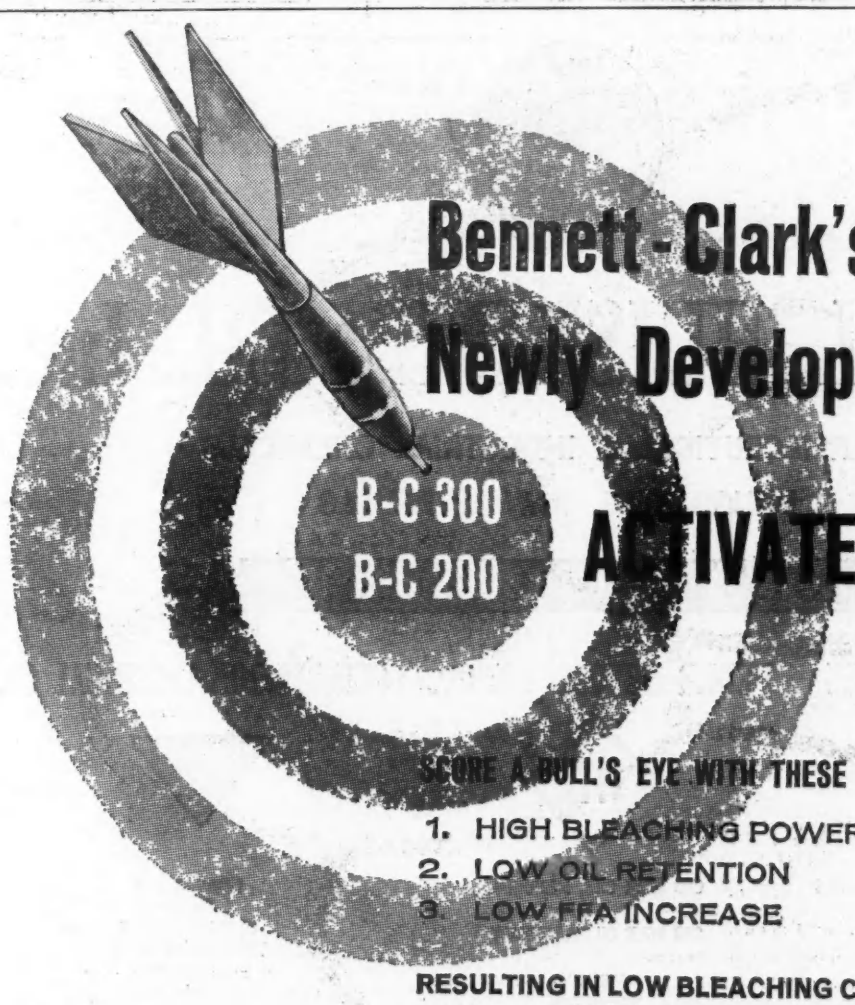
Cinnamon, Ceylon No. 2, bgs.	lb.	.78 - —
Ceylon, "0090," bgs.	lb.	.92 - —
Cinnamon bark oil, bots.	lb.	36.00 -70.00
Cinnamon leaf oil, crude, dms.	lb.	1.35 - 2.00
USP (Cassia), cns., dms.	lb.	8.50 -13.50
Citral, CP, bots.	lb.	3.00 - 3.65
Extra, bots.	lb.	4.35 - 5.05
Citric acid, USP, anhyd., fine gran., bgs., dms., c.l.	lb.	.29½- .30
bgs., dms., 10,000-lb. lots, 1 shipt	lb.	.30 - .30½
bgs., dms., smaller lots	lb.	.30½- .31
hydrous, fine gran. bgs., dms., c.l.	lb.	.27½- .28
bgs., dms., 10,000-lb. lots, 1 shipt	lb.	.28 - .28½
bgs., dms., smaller lots	lb.	.29 - .29½
Powdered citric acid ½c. higher		
Citronella oil, Ceylon, dms.	lb.	.60 - .90
Java-type, dms.	lb.	.55 - .90
Citronellol, bots., dms	lb.	2.30 - 3.30
Civet, artif., bots.	lb.	13.75 -15.00
Nat., bots.	oz.	8.50 -15.00
Clay, balf., dom., airfloated, bgs., c.l., Tenn	ton.	17.50 -21.50
crushed, shed moisture, bulk, c.l. Tenn	ton.	8.00 -11.00
Imp., airfloated, bgs., c.l., Atl. port	net-ton.	42.00 -45.75
lump, bulk, Atl. port	net-ton.	29.50 -35.75
Clay, China, dom., dry-grd., air floated, 99%, 325 mesh, Georgia, bgs., c.l., works.	ton.	10.00 -12.00
Georgia, bgs., l.c.l. works	ton.	15.50 - —
Clay, China, dom., airfloated, 99%, 300 mesh bgs., c.l., Georgia, works	ton.	13.50 -14.50
bgs., l.c.l., ex-whse	ton.	35.00 -36.00
Clay, China, imp., white, lump, bulk, c.l., ex dock, Philadelphia, Portland, Me.	long-ton.	20.00 -35.00
powd., bgs., c.l., ex dock.	net-ton.	50.00 - —
bgs., l.c.l., ex whse	net-ton.	60.00 -70.00
Cleve's acid, mixed, bbls.	lb.	1.05 - —
Cloves, Madagascar, bgs.	lb.	.38½- —
Zanzibar, ogs.	lb.	.41 - .42
Clove bud oil, USP, dms.	lb.	2.60 - 3.35
Clove leaf oil, crude, dms.	lb.	1.00 - 1.35
CMC, crude, 96.4% low or medium vis. bgs. or fib. dms., 23,000 lbs., dlvd. E., 100% basis	lb.	.41½- —
96.4% low. or medium vis., bgs. or fib. dms., 23,000 lbs. dlvd. E., 100% basis	lb.	.43½- —
65% low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis	lb.	.41½- —
bgs. or fib. dms., l.c.l., dlvd. E., 100% basis	lb.	.43½- —
CMC, purif. high vis. (see Cellulose gum).		
CMC, standard, low or medium vis., bgs., 23,000 lbs., works, frt. alld	lb.	.57 - —
bgs., smaller lots, same basis.	lb.	.59 - —
CMC prices W. of the Rockies are 2c. per lb. lower and are on a works basis.		
Coaltar, crude, resale for solns., tanks, works	gal.	.17 - —
Coaltar, refd., resale, indust., dms., c.l., ex whse	gal.	.35 - —
dms., l.c.l., ex whse.	gal.	.39 - —
tanks, works	gal.	.20½- —
Coaltar pitch, aluminum, bulk, works	ton.	44.00 - —
Carbon and indust., bulk, works.	ton.	44.00 - —
Core, bulk, works	ton.	40.50 - —
Fiber, bulk, works	ton.	46.00 - —
Roofing, 140-155°F., Federal Specification RP-381 Type 1, tanks, works	ton.	41.00 - —
Cobalt acetate, 23.7% Co., dms. dlvd	lb.	1.10 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies	lb.	4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.		
Cobalt blue imitation (see Ultramarine blue).		
Cobalt carbonate, 48% Co., powd., bgs., dlvd	lb.	1.57 - —
Cobalt chloride, 24.2% Co., dms., dlvd	lb.	1.05 - —
Cobalt hydrate, 60-61% Co., dms., dlvd.	lb.	2.20 - —
Cobalt linoleate, fused 8½% Co., dms.	lb.	.71½- —
Liq., 6% Co., dms.	lb.	.57½- —
Cobalt metal, 97-99% kgs., ex whse.	lb.	2.00 - —
Cobalt naphthenate, liq., 6% Co., dms., dlvd	lb.	.48¾- —
Cobalt nitrate, 20.1% Co. bbls. dlvd.	lb.	.85 - —
Cobalt oxide, black, 72¼-73½% Co., kgs	lb.	1.52 - —
70-71% Co., kgs.	lb.	1.48 - —
Cobalt phosphate, powd., 32.1% Co., kgs., dlvd	lb.	1.43 - —
Cobalt resinate, fused 3% Co. dms.	lb.	.29½- —
Cobalt sulfate, cryst., 21% Co. dms., dlvd	lb.	.69 - —
Cobalt sulfate, monohydrated, 33% Co, dms., dlvd	lb.	1.17 - —
Cobalt tallate, 6% Co. dms., dlvd.	lb.	.44 - —
Cocaine, USP, cns., 100-oz. lots	oz.	17.80 - —
Cocaine hydrochloride, cns., 100-oz. lots	oz.	13.75 - —
Cocillana bark, bls.	lb.	.22 - —
Cocoa butter, bgs.	lb.	.86 - .91
Coconut oil, crude, tanks, New York	lb.	.20¼ Nom.
tanks, Pac. coast	lb.	.17¼- —
Refd., deodorized, dms., l.c.l.	lb.	.24 - —
Coconut oil acids, dist., dms.	lb.	.26½- .29
tanks	lb.	.24 - —
double dist. (stripped), dms.	lb.	.27½- .30
tanks	lb.	.25 - —
Cod oil, dms., spot	lb.	.09½- .09¼
Codeine, NF, cns., 100-oz. lots	oz.	13.25 - —
Codeine hydrochloride, cns., 100-oz. lots	oz.	11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots	oz.	10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots	oz.	10.75 - —
Codliver oil, USP, dms.	gal.	1.40 - 1.45
Cohosh root, black, bls.	lb.	.20 - .22
Blue, bls.	lb.	.20 - .22
Colchicine, USP, bots.	oz.	27.50 -31.00
Colchicum root, bls.	lb.	.33 - —
Colchicum seed, bgs.	lb.	.53 - —
Collodion, USP, dms.	lb.	.32½- —
Flexible, dms.	lb.	.34 - —
Colocynth pulp, bls.	lb.	.72 - —
Colombo root, bls.	lb.	.15 - .16
Condurango bark, bls.	lb.	.26 - —
Congo copal gum, No. 1, bgs.	lb.	.25 - .26
No. 2 bgs.	lb.	.22 - .24
No. 3, bgs.	lb.	.15¼- .17
Copaiba balsam, cns., dms.	lb.	.40 - .60
Copaiba oil, cns.	lb.	1.75 - 2.50
Copper acetate, bbls., c.l., works.	lb.	.32 - —
bbls., l.c.l., works	lb.	.34 - —
Copper carbonate, 55%, bgs., c.l., works	lb.	.33½- —
bgs., l.c.l., works	lb.	.3400- —
Copper chloride, cupric, anhyd., dms., works	lb.	.43¼- .43¾
Cryst., dihydrate, dms., works,	lb.	.29½- .30
Cryst., dried, dms., works	lb.	.37¾- .38¼
Copper chloride, cuprous, dms., works	lb.	.3855- .4155
Copper cyanide, tech., dms., 20,000-lb. lots or more	lb.	.609 - —
dms., 1,000-lb. lots or more	lb.	.619 - —
dms., smaller lots	lb.	.639 - .659
Copper gluconate, dms.	lb.	3.20 - —
Copper hydrate, dms., c.l., frt. alld. E. of Miss	lb.	.50 - —
dms., l.c.l., same basis	lb.	.50½- —
Copper metal, electrolytic, dlvd. Valley basis	lb.	.29 - —
Copper naphthenate, liq., 8% Cu, dms., frt. alld	lb.	.28½- —
Copper nitrate, tech., cryst., dms., works	lb.	.31¼- .31¾
Copper oleate, solid, 9% Cu, dms., works	lb.	.43 - —
Copper oxide, black, bbls., 100-5,000-lb. lots, works	lb.	.45¼- —
Copper oxide, red, 97%, USN, Type I, bbls., 100-5,000-lb. lots.	lb.	.48 - —
90% USN Type II, bbls., 100-5,000-lb. lots or more, works	lb.	.44 - —
Copper oxychloride, dms., c.l., works	lb.	.52 - —
dms., l.c.l., works	lb.	.53½- .63½
Copper quinolinolate, 18% Cu, dms., ton lots	lb.	4.25 - —
10% active quinolinolate, dms	lb.	1.14 1.15
Copper resinate, precip, dms., frt. alld	lb.	.36¼- —
Copper sulfate, CP, gran., dms., works	lb.	.1855- —
Cryst., 99%, bgs., c.l., works,	100 lbs.	11.65 - —
bgs., l.c.l., works	100 lbs.	12.15 -14.65
Copper sulfate, monohydrated, 35%, dms., c.l., works	100 lbs.	22.10 - —
dms., l.c.l., works	100 lbs.	23.35 - —
Copper sulfate tribasic, distributors, bgs., c.l., works.	100 lbs.	26.40 - —
bgs., l.c.l., works	100 lbs.	27.40 -30.40
Copper undecylenate, dms.	lb.	2.75 - —
Copra, Atl., Gulf ports, c.i.f.	ton.	242.50 - —
Pac. ports, c.i.f.	ton.	237.50 - —
Coriander oil, USP, bots.	lb.	8.50 -11.50
Coriander seed, Morocean, bgs	lb.	.06¼- —
Rumanian, bgs.	lb.	.07 - —
Yugoslavian, bgs.	lb.	.06½- —
Corn oil, crude, tanks, works	lb.	.11¼- —
Foots (soapstock) acid 95%, tanks, New York	lb.	.04¾ Nom.
Refd., salad, dms	lb.	.1948- .1975
tanks	lb.	.1548- —
Corn oil acids, dist., dms	lb.	.16¾- .19¼
tanks	lb.	.14¼- —
Corn starch (see Starch, corn).		
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min	100 lbs.	7.33 - —
paper bgs., l.c.l.	100 lbs.	7.58 - —
Corn syrup, 42° Be., non-ret. dms., c.l	100 lbs.	7.31 - —
non-ret. dms., l.c.l.	100 lbs.	7.46 - —
Corrosive sublimate (see Mercuric chloride).		
Cortisone acetate, USP, kilo or more	gram.	1.90 - 2.00
	oz.	6.00 - —
Costus oil, bots.		
Cottonseed meal, 41%, bgs., Memphis	ton.	68.00 -70.00
Cottonseed oil, crude, tanks, South, East	lb.	.10⅝- .11
tanks, Valley	lb.	.10⅝- —
tanks, Texas, Lubbock	lb.	.10⅝- .10¼
tanks, Texas, Waco	lb.	.10½- .10⅝
Foots (soapstock), acid 95%, tanks, New York	lb.	.04 - —
Refd., salad, dms.	lb.	.16 - .16¼
tanks	lb.	.14 - —
Cottonseed oil acids, dist., dms.	lb.	.16¾- .19¼
tanks	lb.	.14¼- —
Cottonseed pitch, raw, dms., works.	lb.	.03 - .03¼
tanks, same basis	lb.	.02¾- —
Coumarin, NF, cryst., dms.	lb.	3.60 - 3.70
Cramp bark, NF, bls.	lb.	.85 - .90
Cream of tartar (see Potassium bitartrate).		
Creosote carbonate, NF, bots. cbys.,	lb.	3.05 - 3.26
Creosote, coaltar, crude, tanks, works, frt. adjusted	gal.	.22 - —
crude, soln. 80%, tanks, works.	gal.	.21 - —
refd., dms., c.l., works	gal.	.42 - .44
dms., l.c.l., same basis	gal.	.53 - .55
tanks, same basis	gal.	.33 - .35
West Coast creosote prices computed on a basis of 24c. per gallon for straight oil and 20c. per ballon for coaltar.		
Creosote oil (see Creosote coaltar).		

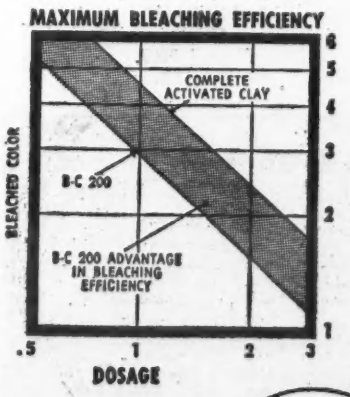


Bennett-Clark's Newly Developed ACTIVATED CLAYS

SCORE A BULL'S EYE WITH THESE THREE FEATURES:

1. HIGH BLEACHING POWER
2. LOW OIL RETENTION
3. LOW FFA INCREASE

RESULTING IN LOW BLEACHING COST AND HIGH BLEACHED OIL QUALITY.



Vegetable oil refiners find that Bennett-Clark's B-C 300 and B-C 200 Activated Clays offer an advantage in *Bleaching Efficiency* (see chart). Because of the high bleaching power and low oil retention, refiners now enjoy these features: Lower Clay Cost, Lower Oil Loss, Lower Freight Cost, Lower Handling Cost and Lower Storage Requirements.

Also the High Bleaching Power and High Density of B-C 300 and-B-C 200 result in Lower Press Capacity Requirements and less down time for press cleaning.

Bennett-Clark offers Natural Clay and Activated Clay in split carloads for added convenience and increased savings.

Bennett-Clark Co. Inc.

BOX 951 • NACOGDOCHES, TEXAS

Creosote—Dextrin

Creosote, beechwood, cbys., dms., f.o.b., works, dlvd. in Metropolitan area lb. 1.72 - 1.77
Hardwood, NF, cbys., dms., same basis lb. 1.42 - 1.47
Creosote, pinewood, dms., incl., c.l., works lb. .0561- —
dms. incl., l.c.l., works lb. .0634- —
dms. incl., l.c.l., ex whse, New York lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld lb. .16½- —
non-ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
m-Cresol, 95-98%, dms., c.l., works, lb. .60 - —
dms., l.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
2.97%, 2°C., dms., c.l., frt. equald. lb. .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
o-Cresol, 30.5°C., m.p. and over, ret. dms., c.l., frt. equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —

o-Cresol, 30°-30.40°C., m.p., dms., c.l., frt. equald. lb. .18½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14½- —
29°-29.9°C., m.p., dms., c.l., frt. equald lb. .16 - —
ret. dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14 - —
25°-28.9°C., m.p., dms., c.l., frt. equald. lb. .15 - —
ret. dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .52 - —
dms., l.c.l., dlvd. lb. .53 - —
tanks, dlvd. lb. .49 - —
2,3-Cresotic acid, dms., ton lots, works lb. .70 - —
dms., smaller lots, works lb. .72 - —
p-Cresyl methyl ether, cns. lb. 1.00 - 2.05
Cresylic acid, coaltar, dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt. equald gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Cresylic acid, coaltar, dom., meta-para content 25% or less, dms., c.l., t.l., same basis gal. 1.20 - —
dms., l.c.l., same basis gal. 1.25 - —
tanks, frt. equald. gal. 1.00 - —

Cresylic acid, coaltar, imp., meta-para content, 25% or less, f.o.b. works, frt. equald. to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms., same basis gal. 1.05 - 1.15
tanks, same basis gal. 1.00 - —
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .25 - —
Crotonic acid, dms., 200 lbs. or more, l.c.l., works lb. .51 - —
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
bgs., l.c.l., works 100 lbs. 14.25 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .25 - —
Cubeb berries, NF, bgs lb. .90 - —
Powd., cs. lb. .95 - —
Cubeb oil, cns lb. 12.00 -15.00
Cumene, dms., c.l., works lb. .12 - —
dms., l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .35 - —
Moroccan, bgs. lb. No prices.
Turkish, bgs. lb. No prices.
Cumin seed oil, bots., cns. lb. 7.50 -15.50
Cutch extract, 55% tannin, bgs., ex dock lb. .07½- —
Cyanamide, fertilizer, mixing grade, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 57.00 - —
pulv., 21% N, bgs., works, unit-ton. 2.85 - —
Cyanamide, indust. grade, bgs., c.l., works ton. 75.00 - —
bgs., l.c.l., works ton. 96.00 - —
Indust. grade, 6-16 mesh, dms., c.l., works ton. 120.00 - —
dms., l.c.l., works ton. 140.00 - —

Cyclohexane, 99%, tech., dms., c.l., dlvd. E. of Rockies gal. 1.02 - —
dms., l.c.l., same basis gal. 1.10 - —
Cyclohexane, 99%, tech., dms., c.l., dlvd. W. of Rockies gal. .77 - —
dms., l.c.l., same basis gal. .85 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E lb. .28½- —
dms., l.c.l., works, same basis lb. .29½- —
tanks, works, same basis lb. .26 - —
Cyclohexanone, tech., dms., c.l., works lb. .34½- —
dms., l.c.l., works lb. .37 - —
tanks, works lb. .31 - —
Cyclohexylamine, dms., c.l., works. lb. .49 - —
dms., l.c.l., works lb. .50 - —
tanks, works lb. .47 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl. 48.00 - —
6-oz cyls., works cyl. 12.00 - —
Cyclopropane, USP, hospitals, cyls., 40-gal. lots gal. .42 - —
cyls., 100-gal lots gal. .41 - —
cyls., 200-gal. lots gal. .40 - —
Cypress oil, bocs. lb. 5.30 - —

D

2,4-D, tech., bgs., dms., c.l., works, frt. equald lb. .40 - —
bgs., dms., l.c.l., same basis lb. .45 - .49
2,4-D butyl ester, dms., c.l., works. lb. .43 - —
dms., l.c.l., same basis lb. .48 - .52
tanks, same basis lb. .42 - —
2,4-D isopropyl ester, dms., c.l., works lb. .43 - —
dms., l.c.l., works lb. .48 - .52
tanks, works lb. .42 - —
Dammar gum, Batavia A/E, cs lb. No stocks.
East India, Batu, bold, bgs. lb. .13¾- .15
nubs and chips, bgs lb. .08½- .09½
black, bold, bgs lb. .14½- .16½
nubs and chips, bgs lb. .12¼- .13½
unscraped, bgs. lb. .13 - .14½
pale, chips, bgs lb. .14½- .16
nubs, bgs. lb. .17¾- .20
Siam, cs. lb. .30 - .33
Singapore, No. 1, bgs lb. .36 - .41
No. 2, bgs lb. .29 - .32
No. 3, bgs lb. No stocks.
dust, bgs. lb. .17 - .19
Dandelion root, bls lb. .28 - —
DDD, tech., flake, grd., fib. dms., c.l., works lb. .45 - .47
fib dms., l.c.l. works lb. .46 - .48
DDT, flake or lump, bgs., c.l., dlvd lb. .23 - —
bgs., smaller lots, same basis, lb. .25 - —
fib. dms., c.l., same basis lb. .24 - —
fib. dms., smaller lots, same basis lb. .26 - —
Powdered DDT 1c. per pound higher.
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
dms., l.c.l., dlvd lb. .43 - —
tanks, dlvd. lb. .38½- —
Decyl alcohol, mixed isomers, dms., c.l., dlvd lb. .23½- —
dms., l.c.l., dlvd lb. .25 - —
tanks, dlvd. lb. .21 - —
Perfume grade, bots lb. 1.75 - 2.00
Decyl alcohol, normal (see 1-Decanol).
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton. 51.00 - —
17% P. paper bgs., c.l., works. ton. 60.00 - —
paper bgs., t.l., works ton. 60.75 - —
18% P. paper bgs., c.l., t.l., works ton. 69.12 - —
19% P. paper bgs. works, Houston, Tex., c.l. t.l ton. 71.50 - —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices
Degras, common, bbls lb. .10 - .12
Neutral, bbls. lb. .21 - .23
Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E. of Rockies gal. .69½- —
dms., l.c.l., same basis gal. .74½- .82
tanks, dlvd., same basis gal. .53½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .72 - —
dms., l.c.l., same basis gal. .77 - .83
tanks, same basis gal. .56 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .69 - —
dms., l.c.l., same basis gal. .74 - .80
tanks, same basis gal. .53 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .68 - —
dms., l.c.l., same basis gal. .73 - .79
tanks, same basis gal. .52 - —
SD23A, dms., l.c.l., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .71 - —
dms., l.c.l., same basis gal. .76 - .82
tanks, same basis gal. .55 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .69½- —
dms., l.c.l., same basis gal. .74½- .80½
tanks, same basis gal. .53½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .68 - —
dms., l.c.l., same basis gal. .73 - .79
tanks, same basis gal. .52 - —
SD-35A, dms., c.l., dlvd. E. of Rockies gal. .71 - —
dms., l.c.l., same basis gal. .76 - .82
tanks, same basis gal. .55 - —
SD-40, dms., c.l., dlvd E. of Rockies gal. .72 - —
dms., l.c.l., same basis gal. .77 - .83
tanks, same basis gal. .56 - —
For anhyd. alcohol on above formulas, prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c. differential on tankcars is maintained.
d-Desoxyephedrine hydrochloride, dms. lb. 15.00 -17.00
dl-Desoxyephedrine hydrochloride, dms. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 9.40 - —
paper bgs., l.c.l. 100 lbs. 9.55 - —
Dextrin, corn, canary dark, paper bgs., c.l. 100 lbs. 9.24 - —
paper bgs., l.c.l. 100 lbs. 9.39 - —

Since 1910

CHAS. L. HUISKING & CO., Inc.

PHARMACEUTICAL & INDUSTRIAL CHEMICALS

DRUGS, OILS, RAW MATERIALS

OUR MANUFACTURING DIVISIONS:

GLYCO CHEMICALS

DIMETHYL HYDANTOIN & DERIVATIVES
EMULSIFYING AGENTS
DEFOAMING AGENTS
THE TETRINES® (Sequestering agents)
POLYHYDRIC ALCOHOL ESTERS
SYNTHETIC WAXES (Acrawax C)
WETTING AGENTS
PLASTICIZERS

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DEVOLKOD® Vitamin Oils
DEVOLD VITAMIN A & D FEEDING OILS
DEVOLD VITAMIN A OILS
WHEAT GERM OIL

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CAMPHOR USP & Technical
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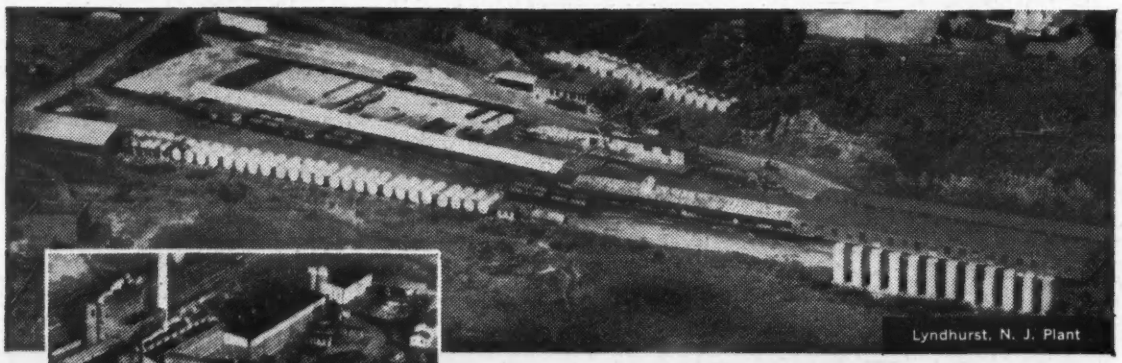
PROCAINE BASE
PROCAINE HCL
PABA
PARA-AMINO BENZOATE
Potassium & Sodium
ACETIC ACID
ACETONE
ALCOHOL PROP.
METHANOL



CHAS. L. HUISKING & CO., INC.
417 Fifth Avenue, New York 16, N. Y. • Telephone: ORegon 9-8400
Cables: HUISKING, NEW YORK
VITAMINE, NEW YORK
GLYCOPON, NEW YORK
Chicago Office:
435 North Michigan Avenue
Chicago 11, Illinois

Dextrin, corn, indust. grade, 6-16 meth. dms., canary light, paper bgs., c.l. 100 lbs. 9.14 - —
paper bgs., l.c.l. 100 lbs. 9.29 - —
white, paper bgs., c.l. 100 lbs. 8.98 - —
paper bgs., l.c.l. 100 lbs. 9.13 - —
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.
Dextrin, potato, imp., bgs. lb. .10½- .11
Dextrose, hydrated, commercial, bgs., c.l., ex whse. 100 lbs. 7.60 - —
bgs., l.c.l., ex whse. 100 lbs. 7.70 - —
Anhydrous, commercial, bgs., c.l., ex whse. 100 lbs. 8.80 - —
bgs., l.c.l., ex whse. 100 lbs. 8.90 - —
Special anhydrous, al. foil lined fib. dms., 200-lb. dms. 100 lbs. 14.70 - —
100-lb. dms. 100 lbs. 15.20 - —
USP, dms. lb. .19¾- —
Diacetyl, flavor grade, bots. lb. 4.30 - 4.55
Di-sec-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Di-tert-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd lb. .15½- —
dms., l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .13 - —
Diacetone alcohol, tech., dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16½- —
tanks, dlvd. lb. .12½- —
Diallylamine, dms., c.l., dlvd. lb. .98½- —
dms., l.c.l., dlvd lb. 1.00 - —
tanks, dlvd. lb. .98 - —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .93 - —
dms., l.c.l. same basis lb. .94 - —
tanks, same basis lb. .91 - —
p-Dibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Dibutyl fumarate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., l.c.l., l.t.l., frt. alld lb. .34 - —
tanks, frt. alld lb. .31½- —
Dibutyl maleate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., l.c.l., l.t.l., dms, frt. alld lb. .34 - —
tanks, frt. alld lb. .30½- —
Dibutyl phthalate, dms., c.l., dvd. E. lb. .32½- —
dms., l.c.l. same basis lb. .33½- —
tanks, same basis lb. .30 - —
Dibutyl sebacate, dms., c.l., works. lb. .67½- —
dms., l.c.l., works lb. .63½- —
tanks, works lb. .65½- —
Dibutyl tartrate, dms., works, frt. alld lb. .65½- —
Dibutylamine, dms., c.l., dlvd lb. .55½- —
dms., l.c.l., same basis lb. .57 - —
tanks, same basis lb. .53 - —
2,6-Di-tert-butyl-p-cresol, food grade, dms., l.t.l., dlvd lb. 1.10 - —
Feed grade, dms., c.l., t.l., dlvd. lb. .87½- —
dms., l.c.l., same basis lb. .91 - .97
2,6-Di-tert-butyl-p-cresol, tech., dms., c.l., t.l., dlvd lb. .81 - —
dms., l.c.l., same basis lb. .85 - .86
tanks, same basis lb. .79 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .31 - .32
dms., l.c.l., dlvd lb. .32 - .33
tanks, dlvd. lb. .27½- —
Dicapryl sebacate, dms., c.l., works. lb. .63 —
dms., l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Dichlorophenoxyacetic acid (see 2,4-D)
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¾- —
dms., l.c.l. same basis lb. .13¾- —
tanks, same basis lb. .11 - —
p-Dichlorobenzene, dms., c.l., f.o.b., works, frt. alld. E lb. .12 - —
dms., 2,000 lbs. or more same basis. lb. .14½- —
1,4-Dichlorobutane, dms., c.l. or t.l., works lb. .33½- —
dms., l.c.l., or l.t.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd. E lb. .15½- —
dms., l.c.l., l.t.l., same basis lb. .16½- —
tanks, same basis lb. .13 - —
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
dms., l.c.l., works lb. .06 - —
tanks, works lb. .03 - —
Dicyclohexylamine, dms., c.l., works. lb. .54 - —
dms., l.c.l. works lb. .55 - —
tanks, works lb. .52 - —
Dicyclohexyl phthalate, fib. dms., c.l., works. frt. alld lb. .59½- —
fib, dms., l.c.l., same basis lb. .60 - —
Didecyl phthalate, dms., c.l., works. lb. .34 - —
dms., l.c.l., same basis lb. .35 - —
tanks, same basis lb. .31½- —
Dieldrin, dms., dlvd lb. 1.85 - —
dms., l.c.l., dlvd lb. 1.90 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .27 - —
dms., l.c.l., same basis lb. .28 - —
tanks, same basis lb. .24½- —
Diethanolamine lauryl sulfate, dms., c.l. frt. alld lb. .26 - —
dms., l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .25 - —
Diethyl barbituric acid (see Barbital).
Diethylbenzene, dms., t.l., frt. alld. lb. .16½- —
dms., l.t.l., same basis lb. .18½- —
Diethyl carbonate, dms., c.l., f.o.b. works lb. .47½- —
dms., l.c.l., same basis lb. .48½- —
tanks, same basis lb. .45 - —
Diethyl ethanolamines, dms., c.l., dlvd lb. .69½- —
dms., l.c.l., dlvd lb. .70½- —
tanks, dlvd. lb. .67 - —
Diethyl oxalate, dms., c.l., f.o.b. works lb. .42½- —
dms., l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 - —
Diethyl phthalate, dms., c.l., dlvd. lb. .31½- —
dms., l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .29 - —
Diethyl sulfate, dms., c.l., works lb. .19½- —
dms., l.c.l., works lb. .20¼- —
tanks, works lb. .17½- —
Diethyl toluamide, 90-95% meta isomer, dms., c.l., t.l., works lb. 2.30 - —
5-44 dm lots, works lb. 2.35 - —
1-4 dm lots, works lb. 2.40 - —
Diethylamine, dms., c.l., dlvd. E lb. .52 - —
dms., l.c.l., same basis lb. .53½- —
tanks, same basis lb. .49½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .57 - —
dms., l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E lb. .17¾- —
dms., l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .15¼- —
Diethylene glycol diethyl ether, dms., c.l., works lb. .51¼- —
dms., l.c.l., works lb. .52¼- —
Diethylene glycol monobutyl ether, c.l., dms., works lb. .30¾- —
dms., l.c.l., works lb. .31¾- —
tanks, dlvd. E lb. .26¼- —
Diethylene glycol monobutyl ether acetate, dms., c.l., works lb. .30¾- —
dms., l.c.l., works lb. .31½- —
tanks, dlvd. E lb. .28¾- —
Diethylene glycol monoethyl ether, dms., c.l., dlvd. lb. .22½- —
dms., l.c.l., dlvd lb. .23½- —
tanks, dlvd. E lb. .20 - —
Diethylene glycol monoethyl ether acetate, dms., c.l., works lb. .27¼- —
dms., l.c.l., works lb. .28 - —
tanks, dlvd. E lb. .25¼- —
Diethylene glycol monomethyl ether, dms., c.l., dlvd. lb. .21 - —
dms., l.c.l., dlvd lb. .22 - —
tanks, dlvd. E lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .44 - —
dms., l.c.l., dlvd. E lb. .45½- —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP, bots, 10-kilo lots kilo. 100.00 -147.50
bots., 1-kilo lot kilo. 110.00 -152.50
Digitalis leaves, USP, dom., dms lb. 1.20 - —
Digitoxin, USP, bots. gram. 4.00 - 4.50
Diglycol laurate, dms lb. .32¾- .34
Diglycol stearate, dms., ton lots lb. .26 - .28
Diglycolic acid, bgs., works lb. .14 - —
Dihexyl sebacate, dms., c.l., works. lb. .68 - —
dms., l.c.l., works lb. .67 - —
tanks, works lb. .64 - —
Dihydrazine sulfate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .07 - —
Dihydrostreptomycin sulfate, bulk. gram. .07 - —
1,2-Dihydroxy anthraquinone, dms., works lb. 2.75 - —
2,2-Dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms lb. 2.55 - —
tech., dms. lb. 1.09 - —
Di-isobutyl ketone, dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18½- —
tanks, dlvd. lb. .14½- —
Di-isobutyl phthalate, dms., c.l., dlvd. E. lb. .31½- —
dms., l.c.l., same basis lb. .32½- —
tanks same basis lb. .29 - —
Di-isobutylene, dms., c.l., dlvd. E. lb. .10 - —
dms., l.c.l., dlvd. E lb. .11½- —
tanks, dlvd. E lb. .08 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .30½- —
dms., l.c.l., same basis lb. .31½- —
tanks, same basis lb. .28 - —
Di-iso-octyl sebacate, dms., c.l., works lb. .62 - —
dms., l.c.l., works lb. .62½- .63
tanks, works lb. .60 - —
Di-isopropanolamine, dms., c.l., dlvd. lb. .23¼- —
dms., l.c.l., same basis lb. .24¾- —
tanks, same basis lb. .20¾- —
Di-isopropylamine dms., c.l., dlvd. E. of Rockies lb. .50½- —
dms., l.c.l., same basis lb. .51¾- —
tanks, same basis lb. .48 - —
Dillseed, Indian, dewhiskered, bgs. lb. .12 - —
Dillseed oil, bots. lb. 2.80 - 5.00
Dillweed oil, dom., bots., dms lb. 3.10 - 4.10
Dimethyl anthranilate, cns. lb. 4.85 - 5.10
Dimethyl ethanolamines, anhyd., dms., c.l., dlvd lb. 1.225 - —
dms., l.c.l., dlvd. lb. 1.235 - —
tanks, dlvd. lb. 1.20 - —
70% dms. c.l., dlvd., 100% basis, contained amines lb. .63½- —
dms., l.c.l., dlvd., 100% basis. lb. .69½- —
tanks, dlvd., 100% basis lb. .66 - —
Dimethyl hydroquinone, dms. lb. 1.90 - 2.20
Dimethyl phthalate, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Dimethyl sebacate, dms., c.l., works. lb. 1.31 - —
dms., l.c.l., works lb. 1.30 - —
tanks, works lb. 1.28 - —
Dimethyl sulfate, 55-gal. ret. dms., c.l., works lb. .15 - —
55-gal. ret. dms., l.c.l., works lb. .16 - —
10-gal. ret. dms., l.c.l., works lb. .16½- —

Announcement is made that

van Ameringen-Haebler, Inc. of New York and

Polak & Schwarz N. V. of Zaandam, Holland

have combined their interests and will operate

as divisions of a New York parent company

to be known as

International Flavors & Fragrances Inc.

The identities of these two long-established firms will be retained and each will continue to serve its customers in the same manner as in the past.

By operating in conjunction with each other, they will have development, manufacturing and distributional facilities in fifteen countries, through wholly-owned subsidiaries in North and South America, Europe, the United Kingdom and South Africa.

As a result both firms will be able to supply their products and services on a greatly expanded and more effective basis.

van Ameringen-Haebler
A Division of International Flavors & Fragrances Inc.
521 West 57th Street
New York 19, N. Y.

Polak & Schwarz International N.V.
A Division of International Flavors & Fragrances Inc.
Zaandam
Holland

Creators and Manufacturers of Flavors, Fragrances and Aromatic Chemicals

Dimethyl Sulfide—Dyes, Coaltar

Dimethyl sulfide, dms., c.l., works, lb. .16½-
dms., l.c.l., works lb. .17 • —
tanks, works lb. .15 • —
Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis lb. .38 • —
dms., l.c.l., frt. equald., 100% basis lb. .38½-
tanks, frt. equald, 100% basis lb. .28 • —
40% soln., dms., c.l., frt. equald., 100% basis lb. .35 • —
dms., l.c.l., frt. equald, 100% basis lb. .35½-
tanks, frt. equald, 100% basis, lb. .28 • —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .30 • —
dms., l.c.l. frt. alld. lb. .31 • —
tanks, frt. alld. lb. .28 • —
N,N-Dimethylformamide, dms., works, lb. .34 • .39
tanks, works lb. .32 • —
2,4-Dinitroaniline, dms., frt. alld lb. .75 • —
Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies lb. 1.50 • —
Dinitroaniline orange toner prices 1c. higher W. of Rockies.
m-Dinitrobenzene, 85°C., dms. lb. .22 • —
89° C., dms. lb. .24 • —
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E. lb. .15¼-
dms., l.c.l., frt. alld. E. lb. .15¾-
tanks, frt. alld. E. lb. .13 • —
2,4-Dinitrochlorobenzene, crystallizing at 48°C., dms., c.l., frt. alld. E. lb. .20¼-
dms., l.c.l., frt. alld. E. lb. .20¾-
tanks, frt. alld. E. lb. .20 • —
2,4-Dinitrophenol, bbls. lb. .37 • —
2,4-Dinitrotoluene, cilly, dms. lb. .11 • —
Refd., 63°C., dms. lb. .23 • —
Dioctyl adipate, dms., c.l., works, lb. .42¼-
dms., l.c.l., works lb. .43¼-
tanks, works lb. .40 • —
Dioctyl phthalate, dms., c.l., frt. alld lb. .30½-
dms., l.c.l., frt. alld. lb. .31½-
tanks, frt. alld. lb. .28 • —
Dioctyl sebacate, dms., c.l., works, lb. .41¼-
dms., l.c.l., works lb. .42¼-
tanks, works, dlvd. lb. .40¼-
1,4-Dioxane, dms., c.l., works lb. .30 • —
dms., l.c.l., works lb. .30½-
tanks, works lb. .28 • —
Dipentaerythritol, c.l., t.l., dlvd. E. lb. .39 • —
bgs., l.c.l., t.l., dlvd. E. lb. .39 • —
Dipentene, dest.-dist., dms., c.l., works gal. .59 • —
dms., l.c.l., works gal. .63 • —
dms., l.c.l., ex whse. gal. .79 • —
tankcars, works gal. .42 • —
Dipentene, steam dist., dms., c.l., works, South gal. .72 • —
dms., l.c.l., dlvd. New York gal. .91 • —
tanks, works, South gal. .55 • —
Dip oil (see Tar acid oil)
Diphenyl, bgs., c.l., t.l., works lb. .17¼- —
bgs., l.c.l., works lb. .19 • —
tanks, works lb. .16 • —
Diphenyl oxide, perfume grade, gns. lb. .88 • .93
Diphenyl phthalate dms., c.l., works, lb. .51¼- —
dms., l.c.l., works lb. .53¼- —
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald. lb. .33 • —
bgs., l.c.l., same basis lb. .35 • —
Diphenylamine, refd., fused tanks, same basis lb. .30 • —
Refd. diphenylamine in dms. ½c. per lb. higher.
Diphenylguanidine, bgs., dms., ton lots, frt. alld. lb. .49 • —
bgs., smaller lots, frt. alld. lb. .50 • —
Diphenylhydantein-sodium, USP, dms. lb. 5.00 • 5.60
Dipropylene glycol, dms., c.l., frt. alld. lb. .17¾- —
dms., l.c.l., frt. alld. lb. .18¾- —
tanks, frt. alld. lb. .15¼- —
Dipropylene glycol methyl ether, dms., c.l., dlvd. E. lb. .20 • —
dms., l.c.l., same basis lb. .21 • —
tanks, same basis lb. .18½- —
Dithiodibenzoic acid, dms., 1,000-lb. lots, works lb. 1.43 • —
Di-o-tolylguanidine, dms., ton lots, frt. alld. lb. .69 • —
dms., smaller lots, frt. alld. lb. .70 • —
Divi-divi, 45% tannin, bgs., bls., c.l., US ports, ex dock ton. 76.00 Nom.
Divinylbenzene, 20-25%, dms., c.l., works, frt. equald. lb. .20 • —
dms., l.c.l., same basis lb. .21 • —
tanks, same basis lb. .19 • —
50-60%, dms., c.l., works, 100% basis lb. 1.00 • —
dms., l.c.l., works, 100% basis lb. 1.05 • —
Dodecylbenzene, dms., c.l., f.o.b. works, frt. equald lb. .14 • —
dms., l.c.l., same basis lb. .15 • —
tanks, same basis lb. .117 • —
Dodecylphenol, c.l., frt. alld. lb. .22 • —
dms., l.c.l., same basis lb. .23 • —
tanks, same basis lb. .19¼- —
Dodecylphenol prices on shipments to Western States are 2c. per pound higher.

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:

Blue, FD&C, No. 1	lb.	15.65	-17.60
No. 2	lb.	15.65	-17.60
Green, FD&C, No 1	lb.	15.65	-17.60
No. 2	lb.	19.60	-22.85
No. 3	lb.	31.30	-35.90
Red, FD&C, No. 1, cns.	lb.	5.90	- 7.85
No. 2	lb.	3.30	- 4.10
No. 3	lb.	19.60	-22.85
No. 4	lb.	5.55	- 7.50
Violet, FD&C, No. 1, cns.	lb.	15.65	-17.60
Yellow, FD&C, No. 1, cns.	lb.	9.15	-11.05
No. 5	lb.	3.30	- 4.10
No. 6	lb.	3.30	- 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—

Black, D&C, No. 1	lb.	10.50	-10.95
Brown, D&C, No. 1	lb.	15.65	-16.10
Green, D&C, No. 5	lb.	15.65	-16.10
No. 6	lb.	15.65	-16.10
No. 7	lb.	14.35	-14.80
Orange, D&C, No. 3	lb.	10.50	-10.95
No. 4	lb.	19.60	-20.05
No. 5	lb.	3.80	- 4.25
Red, D&C, No. 17	lb.	10.50	-10.95
No. 18	lb.	23.60	-24.00
No. 19	lb.	15.00	-15.45
No. 21	lb.	3.90	- 4.35
No. 22	lb.	10.50	-10.95
No. 28	lb.	24.15	-24.65
No. 33	lb.	17.00	-17.45
Violet, D&C, No. 2	lb.	15.65	-16.10
Yellow, D&C, No. 7	lb.	10.50	-10.95
No. 8	lb.	10.50	-10.95
No. 10	lb.	13.05	-13.50
No. 11	lb.	13.05	-13.50

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 500-lb. and 1-lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns.	lb.	15.65	-16.10
Green, Ext., D&C, No. 1, cns.	lb.	15.65	-16.10
Red, Ext., D&C, No. 1, cns.	lb.	13.05	-13.50
Yellow, Ext., D&C, No. 1, cns.	lb.	10.50	-10.95

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour index scale or prototype), contract, dlvd. No.

20 Chrysoldine Y dustless	lb.	.89	• —
27 Fast light, orange 2G	lb.	1.29	• —
31 Phloxine 2G	lb.	1.05	• —
36 Yellow 2G	lb.	1.18	• —
40 Orange R, extra, conc.	lb.	1.52	• —
57 Fuchsine 6B	lb.	1.55	• —
79 Scarlet 2R	lb.	1.16	• —
151 Orange AD	lb.	.79	• —
161 Orange	lb.	.94	• —
176 Fast Red A, conc.	lb.	1.53	• —
179 Rubine XX, conc.	lb.	1.47	• —
180 Blue F4B	lb.	1.31	• —
185 Brilliant scarlet 3RN, conc.	lb.	1.20	• —
202 Chrome blue black R, conc.	lb.	1.07	• —
203 Chrome black T	lb.	.92	• —
208 Fast blue SR	lb.	1.30	• —
234 Brown Y	lb.	1.27	• —
246 Blue black, extra, conc.	lb.	1.37	• —
275 Milling red 3R, conc.	lb.	1.91	• —
289 Navy blue 3R, conc.	lb.	1.70	• —
299 Black F, conc.	lb.	2.19	• —
304 Neutral black 2B, conc.	lb.	2.61	• —
326 Fast scarlet 4BNC	lb.	2.12	• —
332 Brown, RX, conc.	lb.	1.35	• —
365 Brilliant yellow, conc.	lb.	3.11	• —
382 Scarlet B	lb.	2.60	• —
401 Diazo black BHD	lb.	.93	• —
406 Blue 2B, extra conc.	lb.	1.53	• —
419 Red FC	lb.	1.45	• —
420 Brown M	lb.	1.40	• —
448 Red 4BX, conc.	lb.	1.69	• —
518 Diamine sky blue FF, extra, conc.	lb.	1.95	• —
561 Brown B	lb.	2.59	• —
581 Black EB, 200%	lb.	1.33	• —
593 Green BY, conc.	lb.	1.02	• —
596 Yellow brown K, extra	lb.	1.26	• —
620 Yellow 2G	lb.	1.31	• —
639 Fast Yellow GG	lb.	2.32	• —
640 Yellow XX	lb.	2.30	• —
655 Yellow OX	lb.	2.45	• —
657 Malachite green V, crystals	lb.	2.73	• —
662 Brilliant green G	lb.	2.62	• —
667 Milling green 6B, conc.	lb.	4.78	• —
671 Blue EG	lb.	1.85	• —
681 Crystal violet powder	lb.	2.15	• —
696 Violet 6BN powder	lb.	2.25	• —
720 Brilliant blue BBG	lb.	2.44	• —
729 Blue B, extra conc.	lb.	3.61	• —
749 Red BX	lb.	4.76	• —
800 Chinoline yellow ZSS	lb.	2.67	• —
814 Yellow NN, conc.	lb.	3.67	• —
841 Safranine GF, extra, conc.	lb.	4.11	• —
860 Induline base ZM	lb.	1.07	• —
865 Nigrosine J	lb.	4.76	• —
922 Blue GXX	lb.	2.23	• —
978 Black GXCF, conc.	lb.	.38	• —
1034 Alizarin red SC	lb.	3.31	• —
1078 Alizarin syanine green base Z	lb.	6.15	• —
1085 Alizarin blue black B	lb.	3.02	• —
1096 Golden orange GFD, single paste	lb.	2.58	• —
1099 Dark blue BO, single paste	lb.	2.28	• —
1101 Jade green N supra, double paste	lb.	1.55	• —
1106 Blue RS double paste	lb.	3.85	• —
1113 Blue BLFD double paste	lb.	2.92	• —
1151 Brown R single paste	lb.	2.29	• —
1171 Indigo synthetic 20% paste	lb.	.31	• —
1217 Orange RD double powder.	lb.	4.60	• —
p-4 Brown PG	lb.	3.00	• —
p-24 Gray L	lb.	2.08	• —
p-80 Diazo brilliant scarlet ROAD	lb.	2.62	• —
p-202 Diazo black VJ conc.	lb.	2.48	• —
p-244 Brilliant scarlet BN	lb.	1.70	• —
p-313 Naphthol SWF	lb.	1.76	• —

Dyes, coaltar, oil-soluble, 100-lb. drums dlvd. No.

24 Oil orange Z-7076	lb.	1.06	• —
73 Oil Scarlet BL	lb.	1.70	• —
1073 Oil violet ZIRS	lb.	6.81	• —
1078 Alizarin green CG	lb.	3.53	• —
1090 Oil violet special Z	lb.	6.81	• —
Oil black ZBC	lb.	4.46	• —
Oil black ZBD	lb.	3.03	• —
Oil black ZHH	lb.	4.61	• —
Oil black ZMM	lb.	6.52	• —
Oil blue ZN	lb.	8.02	• —
Oil blue ZV	lb.	4.95	• —
Oil orange ZMG	lb.	1.33	• —
Oil red N-1700	lb.	1.76	• —
Oil yellow ZG conc.	lb.	6.33	• —

MONTROSE
CHEMICAL COMPANY

104-112 LISTER AVENUE
NEWARK, NEW JERSEY

T.C.P.—Tricresyl Phosphate

Mono Cresyl Diphenyl Phosphate

D.D.T.—Dichloro Diphenyl Trichloroethane

Ethyl Silicate 28%—40%

D.D.V.P.—Dimethyl Dichloro Vinyl Phosphate
(Minimum 95% Purity)

D.E.T.—Diethyl Toluamide
(Minimum 95% Purity)

EXCLUSIVE SALES AGENTS

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
1721 TRIBUNE TOWER, CHICAGO, ILLINOIS

Dyes, coaltar, spirit soluble, 100-lb. dms., dlvd. No.
p-517 Spirit yellow 2R conc....lb. 4.62 • —
p-520 Spirit orange ZR conc....lb. 5.87 • —
Spirit black RB.....lb. 3.54 • —
Spirit brown ZG.....lb. 5.30 • —
Spirit red B conc.....lb. 6.41 • —

E

Echinacea root, bls.....lb. 1.10 • —
Egg albumin (see Albumin).
Egg yolk, dried, dom., bbls.....lb. 1.33 • 1.35
tanners, bbls.....lb. .06 • .06½
Elm bark, grinding bls.....lb. .30 • .32
Powd., bbls., bxs.....lb. .45 • —
Select, bundles.....lb. .75 • —
Emetine hydrochloride, USP, bots. oz. 42.00 • 48.25
Endrin, tech., dms., t.l., dlvd.....lb. 3.44 • —
Eosin red toner, bbls., works.....lb. 1.85 • —
Ephedrine, syn., USP, anhyd., bots. 100-oz. lots oz. .98 • 1.00
hydrous bots. 100-oz. lots oz. .92 • —
Ephedrine hydrochloride, NF, dms., oz. .60 • .65
Ephedrine sulfate, USP, cryst., dms., oz. .60 • .80
Powd., dms.....oz. .60 • .80
Epichlorohydrin, dms., c.l., dlvd..lb. .32½ • —
dms., l.c.l., dlvd.....lb. .34 • —
tanks, dlvd.....lb. .30 • —
1-Epinephrine base, syn., USP, bots., 100 gram lots..gram. .58 • —
Epsom salt (see Magnesium sulfate).
Erigeron oil, cns.....lb. 11.00 • —
Ergot, NF, dms., tin-lined.....lb. 1.60 • —
Eserine salicylate, bots.....oz. 72.50 • 84.00
Eserine sulfate, bots.....oz. 87.75 • —
1-Epinephrine base, syn., USP bots.,
Ester gum, gum-rosin type, dms., c.l., dlvd., Ill., Md., Ky., E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. .....lb. .17 • —
Ester gum, wood-rosin type, dms., c.l., same basis..lb. .17 • —
Ether (see specific product).
Ethyl acetate, nat., ferment, 85-88%, dms., c.l., dlvd..lb. .15 • —
dms., l.c.l., dlvd.....lb. .16½ • —
tanks, dlvd.....lb. .12½ • —
95-98%, dms., c.l., dlvd. ..lb. .15¼ • —
dms., l.c.l., dlvd.....lb. .16¾ • —
tanks, dlvd.....lb. .12¾ • —
99%, dms., c.l., dlvd. .....lb. .15½ • —
dms., l.c.l., dlvd.....lb. .17 • —
tanks, dlvd.....lb. .13 • —
Syn., 85-88%, dms., c.l., dlvd..lb. .15 • —
dms., l.c.l., dlvd.....lb. .16½ • —
tanks, dlvd.....lb. .12½ • —
95-98%, dms., c.l., dlvd. ..lb. .15¼ • —
dms., l.c.l., dlvd.....lb. .16¾ • —
tanks, dlvd.....lb. .12¾ • —
99% dms., c.l., dlvd. .....lb. .15½ • —
dms., l.c.l., dlvd.....lb. .17 • —
tanks, dlvd.....lb. .13 • —
Ethyl acetoacetate, dms., c.l., dlvd. lb. .58½ • —
dms., l.c.l., dlvd.....lb. .59½ • —
tanks, dlvd.....lb. .56 • —
Ethyl acrylate, dms., c.l., t.l., dlvd. lb. .36 • —
dms., l.t.l., dlvd.....lb. .37 • —
tanks, dlvd.....lb. .34 • —
Ethyl alcohol, 190 pf., USP, tax paid dms., c.l., dlvd. E. of Rockies..gal. 20.63 • —
dms., l.c.l., same basis..gal. 20.68 • 20.74
tanks, same basis.....gal. 20.47 • —
USP, tax-free, dms., c.l., dlvd. E. of Rockies..gal. .68 • —
dms., l.c.l., same basis..gal. .73 • .79
tanks, same basis.....gal. .52 • —
Ethyl alcohol, absolute, 200 pf., tax paid, dms., dlvd. E. of Rockies..gal. 21.73 • —
dms., l.c.l., same basis..gal. 21.80 • 21.86
tanks, same basis.....gal. 21.59 • —
Ethyl alcohol, denatured (see Denatured alcohol, ethyl).
Ethyl aminobenzoate, USP (see Benzocaine).
Ethyl amyl ketone, dms., c.l., dlvd. lb. .20 • —
dms., l.c.l., same basis.....lb. .21½ • —
tanks, same basis.....lb. .17½ • —
Ethyl benzoate, bots.....lb. .90 • —
Ethyl bromide, tech., 98%, dms., c.l., frt. alld.E..lb. .43 • —
dms., l.c.l., frt. alld. E....lb. .45 • —
tanks, frt. alld. E. .....lb. .41 • —
2-Ethyl butyl alcohol, dms., c.l., works..lb. .30 • —
dms., l.c.l., works.....lb. .30¾ • —
tanks, works .....lb. .28 • —
Ethyl butyl ketone, dms., c.l., t.l., works..lb. .36 • —
dms., l.c.l., l.t.l., works.....lb. .36¾ • —
tanks, works .....lb. .34 • —
Ethyl butyrate, works.....lb. .90 • 1.00
Ethyl carbamate (see Urethane).
Ethyl cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, frt. alld. E lb. .73 • —
bgs., smaller lots, frt. alld. E.lb. .75 • —
Ethyl cellulose, vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, frt. alld. E. lb. .68 • —
bgs., smaller lots, frt. alld. E. lb. .70 • —
Ethyl chloride, tech., cyls., works. lb. .20 • .22
dms., works .....lb. .18 • .20
tanks, works .....lb. .10 • —
Ethyl cinnamate, cns. .....lb. 3.33 • 3.50
Ethyl ethanolamines, mixed, dms., c.l., dlvd. E..lb. .43½ • —
dms., l.c.l., dlvd. E.....lb. .44½ • —
tanks, dlvd. E. .....lb. .41½ • —
Ethyl ether, absolute, ACS, dms..lb. .27 • —
Anesthesia, USP, dealers, 1-lb. cns..lb. 1.01 • —
½-lb. cns. .....lb. 1.09 • —
¼-lb. cns. .....lb. 1.21 • —
Ethyl ether, indust. dms., c.l., dlvd. lb. .13½ • —
dms., l.c.l., dlvd E.....lb. .15 • —
tanks, dlvd. E. .....lb. .11 • —
2-Ethyl hexoic acid dms., c.l., t.l., dlvd. E..lb. .37 • —
dms., l.c.l., l.t.l., dlvd. E. .....lb. .38 • —
tanks, dlvd. E. .....lb. 34½ • —
(2-Ethyl hexoic acid, 1c. higher W. of Rockies).
2-Ethylhexyl acrylate, c.l. or t.l., straight or mixed frt. alld. E..lb. .42½ • —
dms., l.t.l., same basis.....lb. .43½ • —
tanks, same basis.....lb. .40 • —
Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
2-Ethylhexyl alcohol, dms. c.l., dlvd. lb. .23¾ • —
dms., l.c.l., dlvd. .....lb. .24¾ • —
tanks, dlvd. .....lb. .21¼ • —
Ethyl iodide, cbys., works.....lb. 3.30 • —
Ethyl methacrylate, dms., c.l., frt. equald..lb. .32 • —
dms., l.t.l. frt. equald. .....lb. .32½ • —
tanks, frt. equald. .....lb. .30 • —
Ethyl morphine hydrochloride, USP, bots..oz. 11.80 • —
Ethyl nitrite (see Nitrous ether).
Ethyl oenanthate, dms. .....lb. 1.20 • 1.50
Ethyl oxalate (see Diethyl oxalate).
Ethyl silicate, dist. (see Tetraethyl orthosilicate).
Ethyl silicate, 40% available SiO_2, dms., c.l., dlvd..lb. .44½ • —
dms., l.c.l., dlvd. .....lb. .45½ • —
tanks, dlvd. .....lb. .42 • —
N-Ethyl-a-naphthylamine, dms., works. lb. 1.02 • —
N-Ethyl-o-toluidide, bbls. .....lb. .83 • —
Ethylamine (see Mono-, Di-, or Tri-).
N-Ethylaniline, dms., c.l., frt. alld. lb. .57 • —
dms., l.c.l., frt. alld. .....lb. .58 • —
tanks, frt. alld. .....lb. .55 • —
Ethylbenzene, 99%, dms., c.l. or t.l., frt. equald..lb. .15 • —
dms., l.c.l., same basis.....lb. .17 • —
tanks, same basis.....lb. .12½ • —
2-Ethylbutyl alcohol, dms., c.l., works..lb. .30 • —
dms., l.c.l., works.....lb. .30¾ • —
Ethylene, contract, ref'y. gate....lb. .0475 • .0525
Ethylene dibromide, dms., c.l., frt. equald..lb. .30½ • —
dms., l.c.l. frt. equald. .....lb. .31½ • —
tanks, frt. equald. .....lb. .28½ • —
Ethylene dichloride, dms., c.l., dlvd. lb. .11½ • —
dms., l.c.l., same basis.....lb. .12½ • —
tanks, same basis .....lb. .09 • —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Ethylene glycol, indust., dms., c.l., dlvd. E lb. .16 • —
dms., l.c.l., same basis.....lb. .17 • —
tanks, same basis .....lb. .13½ • —
Ethylene glycol monobutyl ether, dms., c.l., dlvd. E lb. .22 • —
dms., l.c.l., dlvd. E. .....lb. .23 • —
tanks, dlvd E. .....lb. .19½ • —
Ethylene glycol monoethyl ether, dms., c.l., dlvd. E lb. .21 • —
dms., l.c.l., dlvd. E. .....lb. .22 • —
tanks, dlvd. E. .....lb. .18½ • —
Ethylene glycol monoethyl ether, acetate, dms., c.l., dlvd. E lb. .19½ • —
dms., l.c.l., dlvd. E. .....lb. .20½ • —
tanks, dlvd., E. .....lb. .17 • —
Ethylene glycol monomethyl ether, dms., c.l. dlvd. E lb. .21 • —
dms., l.c.l., dlvd. E. .....lb. .22 • —
tanks, dlvd., E. .....lb. .18½ • —
Ethylene glycol monomethyl ether acetate, dms., c.l., dlvd. E lb. .29 • —
dms., l.c.l., dlvd. E. .....lb. .29¾ • —
tanks, dlvd. E. .....lb. .27 • —
Ethylene glycol monostearate, triple pressed, dms lb. .33 • .35
Ethylene oxide, dms. c.l., dlvd. E. lb. .21½ • —
dms., l.c.l., dlvd. E. .....lb. .24½ • —
tanks, dlvd. E. .....lb. .15½ • —
Ethylene trichloride (see Trichloroethylene)
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .42 • —
dms., l.c.l., dlvd. E., 100% basis lb. .43 • —
tanks, dlvd. E., 100% basis lb. .40 • —
Ethylvanillin, 100-lb. fib. dms., 500-lb. lots and over lb. 6.75 • —
Eucalyptol, USP, cns., dms.....lb. .95 • 1.40
Eucalyptus oil, NF, rectified, 70-75%, dms..lb. .60 • 1.05
NF, rectified, 80-85%, dms. ....lb. .67 • 1.20
Eugenol, USP, dms.....lb. 1.60 • 2.25
Euphorbia herb, bls. .....lb. .15 • .17

F

F salt, tech., dms., works.....lb. 2.30 • —
Feldspar, 140-200 mesh, bulk, c.l., works ton. 19.50 • —
Feldspar in bags $3 per ton. higher
Fennel oil, sweet USP, cns. .....lb. 2.75 • 2.95
Fennel seed, Argentine, bgs.....lb. .14 • —
French, light, bgs.....lb. .21 • —
Indian, light, bgs .....lb. .24½ • —
Rumanian, bgs. .....lb. .14 • —
Yugoslav, light, bgs .....lb. .22½ • —
Fenugreek seed, Moroccan, bgs lb. .07½ • —
Ferric acetate, soln., USP IX, cbys. lb. .16 • —
USP IX, cbys. .....lb. .17 • —
Ferric chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.50 • —
dms. l.c.l., works .....100 lbs. 8.50 • —
Indust., cryst., bois., c.l., works. 100 lbs. 5.25 • 6.75
bbls., l.c.l., works.....100 lbs. 5.75 • 7.25

Pail fillers

Get all the advantages of Tri-Sure® Clinch-On Assemblies at no increase in closure cost

Tri-Sure* 1¾" V-Type Screw Nozzle Assembly

Pails are delivered to the filler with the standard Clinch-On opening (protected by dust cap). After the pails are filled the filler just clinches the complete assembly onto the neck of the pail opening. This assembly is available with screw caps or Upressit† caps.

Tri-Sure 1¾" Self-Venting Pull-Up Spout Assembly

Clinches onto the same standard opening as all Clinch-On Assemblies. Self-venting pull-up spout gives controlled flow without gurgle, sputter or stoppage. This assembly is also available with screw caps or Upressit caps.

Tri-Sure Clinch-On Tool

With this Clinch-On Tool it's easy to clinch these complete assemblies onto the neck of the pail opening, and make a tight, permanent installation. The tool can be used just as easily to install any one of the 23 other Tri-Sure Clinch-On Assemblies.

Instead of paying a premium price to obtain the advantages of this new clinch-on feature, the pail filler can obtain these Tri-Sure 1 3/4" Assemblies at competitive prices.

Send for details now, including information on the full line of Tri-Sure Clinch-on Fittings—25 different assemblies, all applicable to one standard pail opening.

*The "Tri-Sure" Trademark is a mark of reliability backed by over 35 years serving industry.

†Trademark

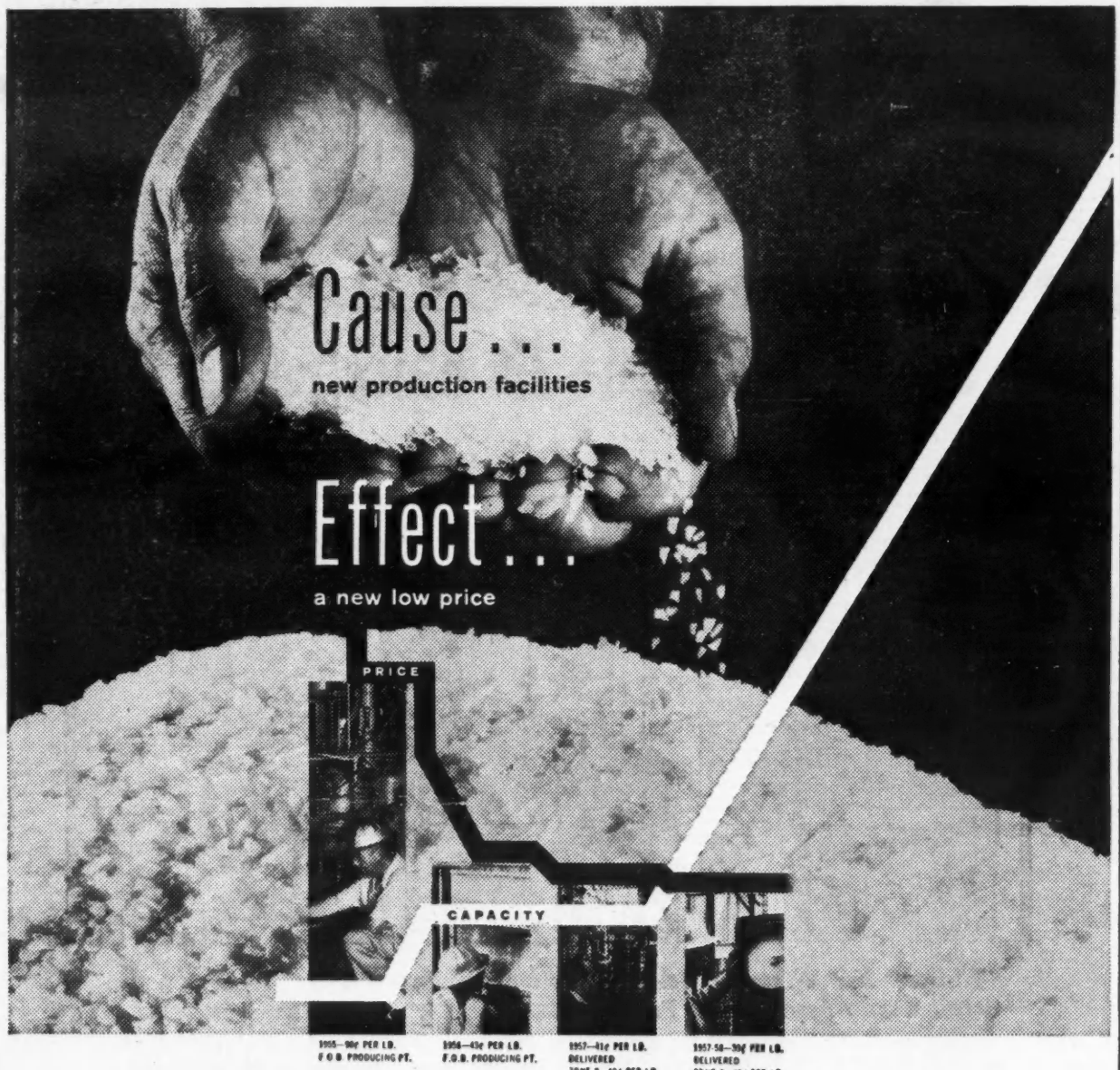
AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

Ferric Chloride—Grease

Ferric chloride, anhyd., 42° Be., photo grade, cbys., c.l., works, 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald. 100% basis, 100 lbs. 4.00 - —
USP, cryst., dms., works lb. .07½- .09
Ferric citrate, gran., dms. lb. .86 - —
Ferric hypophosphite, NF, dms lb. 3.45 - —
Ferric naphthenate, liq., 6% Fe, dms., frt. alld lb. .28¼- —
Ferric oxalate, gran., dms. lb. .89 - .91
Ferric oxides (see iron oxides).
Ferric phosphate, NF, soluble gran. pearls, cs lb. .72 - .75
Ferric pyrophosphate, NF VII, soluble, gran., pearls, dms. lb. .79 - —
Ferric resinate, 6% Fe., dms., ton, lots, frt. alld lb. .36½- —
Ferric stearate, dms., c.l., frt. alld. lb. .39 - —
dms., l.c.l., frt. alld. lb. .40 - .44
Ferric sulfate, partly hydrated, bgs., c.l. works ton.35.25 - —
bgs., l.c.l., works ton.36.25 -42.25
bulk, c.l., works ton.33.25 - —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .65 - .68
Green, pearls, USP XII, gran., dms lb. .66 - .69
Ferric-ammonium oxalate, fine gran., dms lb. .27½- .29½
Ferric-potassium oxalate, fine gran., dms lb. .32½- .34½
Ferric-sodium oxalate, fine gran., dms lb. .27½- .29½
Ferrous gluconate, USP, dms. lb. .96 - —
Ferrous sulfate, gran., bgs., c.l., works ton.34.50 - —
bgs., l.c.l., dlvd. Metropolitan area, 100 lbs. 3.33 - 4.25
Ferrous sulfate, gran., bbls., c.l., works ton.40.00 - —
bulk, c.l., works ton.27.00 - —
USP, cryst., bbls., dms. lb. .09½- .10
Fir balsam, Canada, bbls. gal.32.00 -35.00
Oregon, bbls. gal. 3.75 - 4.00
Fir oil, Canada, cns. lb. 2.85 - 4.00
Fish oil, refd., alkali, dms. lb. .1350- .1400
Kettle-bodied, dms. lb. .1580- .1630
Light-pressed, dms. lb. .1200- .1250
tanks lb. .1050- —
Fishliver oil, high potency, 100,000 A units per gram, dms, 1,000,000 units. .16 - —
200,000 A units per gram., dms, 1,000,000 units. .17½- —
500,000 A units per gram., dms., 1,000,000 units. .18 - —
Fishmeal, dom., menhaden, 60% protein, grd., bgs., Atlantic coast ton.158.00 -160.00
Fishscrap, dom., menhaden, dried, 60% protein, grd., bgs., Atlantic coast ton.154.00 -156.00
Fleaseed (see Psyllium seed).
Folic acid, USP, bots., fib. dms., kilo or more gram. .44 - —
10% feed grade, fib. dms., 3 kilos or more kilo.44.00 - —
Formaldehyde, 37%, (inhibited 7 to 8% methanol), USP, dms., c.l., dlvd. lb. .0645- —
tanks, dlvd. lb. .0380- —
Formaldehyde, 37%, (inhibited, 12 to 15% methanol), USP, dms., c.l., dlvd. lb. .0670- —
tanks, dlvd. lb. .0405- —
Formaldehyde, methanol-free (uninhibited), tanks, dlvd. lb. .0350- —
Formic acid, 85%, cbys., c.l., works, lb. .1370- —
cbys., l.c.l., works lb. .1620- .1720
90%, cbys., c.l., works lb. .1625- —
cbys., l.c.l., works lb. .1675- .1775
Fringetree bark, bls. lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines, ton.19.00 - —
Calcined, bgs., c.l., same basis, ton.20.00 -21.75
Insecticide grade, dried, powd., bgs., c.l., Ga. or Fla. mines ton.17.50 - —
Oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton.16.30 -17.00
200-mesh, bgs., c.l., same basis, ton.17.50 -18.00
Spent, bgs., c.l., ship't. point ton. 4.50 - 5.00
Fumaric acid, tech., bgs., dms., c.l., frt. alld. E lb. .27¼- —
bgs., l.c.l., same basis lb. .28¼- —
Prices of fumaric acid 1½c. per lb. higher west of Denver.
Furfural, dms., c.l., works lb. .13 - —
dms., l.c.l., works lb. .14 - —
tanks, dlvd. E. lb. .12 - —
tanks, dlvd. W. lb. .13 - —
Furfuryl alcohol, cns., works lb. .29 - —
dms., l.c.l., Memphis, Tenn. lb. .21 - —
tanks, Memphis, Tenn. lb. .184 - —
Furfuryl alcohol, dms., c.l., Newark, N. J. lb. .21½- —
dms., l.c.l., Newark, N. J. lb. .22½- —
Fusel oil, refd., dms., c.l., dlvd lb. .18 - —
dms., l.c.l., dlvd. lb. .19 - —
tanks, dlvd. lb. .15½- —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
Liq., No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls. l.c.l. lb. .21½- —
No. 3, bbls., l.c.l. lb. .19 - —
Solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, bbls., frt. alld., 100% basis lb. .73 - —
Gallic acid, NF VII, bbls., 1,000-lb. lots lb. 2.00 - —
bbls., smaller lots lb. 2.02 - 2.22
Gallic acid, tech., bbls., 1,000-lb. lots lb. 1.78 - —
bbls., smaller lots lb. 1.80 - 2.00
Gamma acid, dry grd., bbls., frt. alld lb. 1.75 - —
Paste, bbls., frt. alld lb. 1.70 - —
Gammapicoline (see g-picoline).
Garlic oil, dom., bots. oz. 4.75 6.05
Imp., bots. oz. 4.50 5.00
Gaultheria oil (see Wintergreen oil).
Gelatin, edible, pure pork skin),
75 AOAC test, bbls., c.l lb. .54 - —
150 AOAC test, bbls., c.l lb. .65 - —
200 AOAC test, bbls., c.l lb. .71 - —
225 AOAC test, bbls., c.l lb. .74 - —
275 AOAC test, bbls., c.l lb. .83 - —
Gelsemium root, bls. lb. .26 - —
Gentian root, bls. lb. .23 - —
Grd., bbls., bxs. lb. .27 - —
Powd., bbls., bxs. lb. .28 - —
Geraniol, extra, cns., dms lb. 1.90 - 3.00
Standard, cns., dms lb. 2.05 - 3.40
soap grade, dms lb. 1.10 - 1.75
Geranium oil, Algerian, cns. lb.16.50 -18.50
Bourbon, cns. lb.19.00 -21.00
Geranium oil, Turkish (see Palmarosa oil).
Geranyl acetate, cns. lb. 2.00 - 2.70
Ginger oil, dist., bots lb.10.50 -14.00
Ginger oleoresin, NF, from African root, bots lb. 5.00 - 5.60
NF, from Jamaican root, botts. lb. 8.75 -10.25
Ginger root, Cochin, bgs lb. .15 - —
Jamaican, No. 3, bgs lb. .45 - —
Nigerian, split, bgs lb. .13 - —
Sierra Leone, bgs lb. .15 - —
Glauber's salt (see Sodium sulfate).
Gluconic acid, tech., 50%, dms., frt. alld lb. .18 - —
dms. l.c.l., frt. alld. lb. .20½- —
tanks, frt. alld. lb. .13½- —
Glue, bone, extracted, dry bone, 86 jellygrams, bgs. c.l., dlvd. lb. .15 - —
131 jellygrams, bgs., c.l., same basis lb. .17 - —
164 jellygrams, bgs., c.l., same basis lb. .17½- —
191 jellygrams, bgs., c.l., same basis lb. .19 - —
222 jellygrams, bgs., c.l., same basis lb. .22 - —
Glue, bone, green, dry bone, 40 jellygrams, bgs., c.l., same basis lb. .16 - —
65 jellygrams, bgs., c.l., same basis lb. .16 - —
86 jellygrams, bgs., c.l., same basis lb. .16 - —
115 jellygrams, bgs., c.l., same basis lb. .16½- —
135 jellygrams, bgs., c.l., same basis lb. .17½- —
164 jellygrams, bgs., c.l., same basis lb. .18½- —
180 jellygrams, bgs., c.l., same basis lb. .19½- —
200 jellygrams, bgs., c.l., same basis lb. .20½- —
Bone glue, l.c.l., prices 1c higher.
Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .16 - —
95-121, bgs., c.l., dlvd lb. .17 - —
122-149, bgs., c.l., dlvd lb. .18½- —
150-177, bgs., c.l., dlvd lb. .21 - —
178-206, bgs., c.l., dlvd lb. .23½- —
207-236, bgs., c.l., dlvd lb. .26 - —
237-266, bgs., c.l., dlvd lb. .28 - —
267-298, bgs., c.l., dlvd lb. .30 - —
299-330, bgs., c.l., dlvd lb. .32 - —
331-362, bgs., c.l., dlvd lb. .34 - —
363-394, bgs., c.l., dlvd lb. .36 - —
395-427, bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .40 - —
461-494, bgs., c.l., dlvd lb. .42 - —
495-529, bgs., c.l., dlvd lb. .44 - —
Hide glue, l.c.l., prices 2c higher.
1-Glutamic acid, 99½%, fib. dms., 100-lb lots, frt. alld lb. 1.80 - —
fib. dms., 25-lb. lots, frt. alld. lb. 1.85 - —
1-Glutamine, bots., 1-9 kilo lots, gram. .15 - —
Glycerine, dom., nat., crude, saponification, 88%, tanks, dlvd. E. lb. .18¾ Nom.
nat., crude, soaplye, 80%, tanks, dlvd. E lb. .17½ Nom.
Imp., nat., crude, soaplye, 80%, c.i.f lb. .17 Nom.
Glycerine, nat., refd., USP, CP, 99%, dms., c.l., dlvd lb. .29½- —
dms., l.c.l., dlvd lb. .29⅞- —
tanks, dlvd. lb. .27⅝- —
USP, 96%, dms., c.l., dlvd lb. .28½- —
dms., l.c.l., dlvd lb. .29 - —
tanks, dlvd. lb. .26¾- —
Nat., high gravity, dms., c.l., dlvd lb. .29¼- —
dms., l.c.l., dlvd. lb. .29¾- —
tanks, dlvd. lb. .27½- —
Glycerine, syn., dms., c.l., dlvd lb. .29½- —
dms., l.c.l., dlvd. lb. .30 - —
tanks, dlvd. lb. .27¾- —
Glycine (see Aminoacetic acid).
Glycerol (see Glycerine).
Glycolic acid (see Hydroxyacetic acid).
Glyoxal, 30%, dms., c.l., works lb. .20½- —
dms., l.c.l., works lb. .21¼- —
tanks, works lb. .18 - —
Golden seal root, NF, tested, bls lb. 3.75 - —
Grapefruit oil, dms lb. 2.10 - 2.75
Graphite, amorp, powd., bgs., fib. dms., ex whse lb. .06 - .08½
cryst., 88-90%, powd., bgs., fib. dms. ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
Flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Flake, No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice all hog, tanks, dlvd. lb. .07⅛- .08
Yellow, tanks, dlvd. lb. .07⅛- .07¼


Cause . . .
new production facilities
Effect . . .
a new low price
PRICE
CAPACITY
1955—90¢ PER LB. F.O.B. PRODUCING PT.
1956—43¢ PER LB. F.O.B. PRODUCING PT.
1957—41¢ PER LB. DELIVERED ZONE 2—42¢ PER LB.
1957-58—39¢ PER LB. DELIVERED ZONE 2—40¢ PER LB

TRIMETHYLOLPROPANE . . . a fast 10,000,000 lbs. to feed growing industry

The properties of this free-flowing polyol are of prime importance to the fast-growing polyurethane foams industry. Trimethylolpropane's ability to improve both rigid and flexible foams, coupled with its easier processing, offer extremely valuable manufacturing advantages. And in the large alkyd resins industry serving the $1.6 billion paint market, this chemical intermediate is also finding important application.

But, until Celanese developed a method for high-volume, low-cost production, the usefulness of trimethylolpropane was severely limited. Today, a major Celanese production facility at Bishop, Texas, is geared to turn out in excess of 10 million pounds, providing industry with a high quality product at a practical price.

This is another example of how Celanese development and production anticipate and meet the needs of progressing industries.

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Functional Fluids, Gasoline Additives, Glycols, Ketones, Oxides
Polyols, Plasticizers, Salts, Solvents, Vinyl Monomers
Agricultural, Automotive, Aviation, Building, Electrical
Paper, Pharmaceutical, Plastics, Surface Coatings, Textiles

Celanese CHEMICALS

CELANESE CORPORATION OF AMERICA, CHEMICAL DIVISION, DEPT. 556-A, 180 MADISON AVE., NEW YORK 16.
EXPORT SALES: AMCEL CO., INC., AND PAN AMCEL CO., INC., 180 MADISON AVE., NEW YORK 16.

Grease oil, No. 1, dms., c.l.	lb.	.18¾-	—
dms., l.c.l.	lb.	.16¾-	.18¾
extra winter, strained, dms., c.l.	lb.	.18¼-	—
dms., l.c.l.	lb.	.19¼-	.21¼
prime, burning, dms., c.l.	lb.	.19¾-	—
dms., l.c.l.	lb.	.20¾-	.22¾

Green Pigments

Green pigment quotations are listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

Grindelia robusta herb, bls.	lb.	.45	—
Guaiacol, NF, cryst. dms., tins	lb.	2.10	- 2.15
NF liq. cbys., dms.	lb.	2.30	- 2.40
Guaiacol carbonate, NF, VII, dms.	lb.	3.40	- 3.45
Guaiacwood oil, cns.	lb.	.75	- 1.30
Guar gum, food grade, bgs., c.l.	lb.	.38	- .44
bgs., 5,000 lbs. or more	lb.	.39	- .44
Tech. grade, bgs.	lb.	.30	- .33

Gums

Gum quotations are listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

Gypsum, plaster of Paris, 100-lb. paper bgs., trucks, dlvd. New York	ton.	20.30	—
Terra alba, dom., 100-lb. paper bgs., trucks, same basis	ton.	20.00	—
100-lb. paper bgs., trucks, works, New York	ton.	17 00	—
Imp., English, 100-lb. paper bgs., ex dock, New York	ton.	55.00	—
100-lb paper bgs., ex whse.	ton.	60.00	-62.00

H

H acid, dry, bbls., c.l., frt. alld., 100% basis	lb.	.90	—
bbls., l.c.l., same basis	lb.	.95	—
Hansa yellow, 10 G, bbls., dlvd. E. of Rockies	lb.	2.45	—
Hansa G yellow, pigment, bbls.	lb.	2.20	—
Hawthorn berries, bgs.	lb.	.21	—
Heliotropin, 100-lb. lots, dms.	lb.	2.50	- 3.00
Hellebore root, dom., green, bls.	lb.	.70	- .75
Helonias root, bls.	lb.	1.75	- 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l.	lb.	.47	—
No. 2, bbls., l.c.l.	lb.	.43	—
No. 3, bbls., l.c.l.	lb.	.41	—
No. 4, bbls., l.c.l.	lb.	.39	—
No. 5, bbls., l.c.l.	lb.	.37	—
Paste, No. 1, bbls., l.c.l.	lb.	.20½-	—
Hemlock oil, cns.	lb.	2.85	- 3.55
Henbane leaves, bls.	lb.	.35	- .40
Heptachlor, dms., c.l., t.l., 100% basis, frt. alld	lb.	.90	- —
Heptane, indust., tanks, Bayonne, N. J.	gal.	.20	- —
tanks, Baytown, Tex.	gal.	.16¼-	—
tanks, Borger, Tex.	gal.	.16¼-	—
tanks, Houston, Tex.	gal.	.16¼-	—
Hesperidin, purif., 100-lb. fib. dms., f.o.b., works	lb.	8.95	- —
Hesperidin methylchalcone, bots., 50-lb. lots, works	lb.	22.50	- —
bots., 5-lb. lots, works	lb.	23.00	- —
bots., 1-lb lots, works	lb.	23.50	- —
Hexachlorophene, dms.	lb.	1.94	- —
Hexalin (see Cyclohexanol).			
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or New York	lb.	.233	- —
Hexamethylenetetramine, tech., bgs., 1,000-19,999-lb. lots, same basis	lb.	.243	- —
bgs., smaller lots, same basis	lb.	.253	- —
fib. dms., 1,000-lb. lots or more, same basis	lb.	.250	- —
fib. dms., smaller lots, same basis	lb.	.253	- —
USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York and Philadelphia	lb.	.42½-	—
bgs., smaller lots, same basis	lb.	.43½-	.48½
Hexane, indust., tanks, Bayonne, N. J.	gal.	.20	- —
tanks, Borger, Tex., dlvd.	gal.	.16	- —
tanks, Houston, Tex.	gal.	.16	- —
1-Hexanol, dms., c.l., works	lb.	.35	- —
dms., l.c.l., works	lb.	.35¾-	—
tanks, works	lb.	.33	- —
Hexyl cinnamic aldehyde, dms.	lb.	4.00	- 7.50
n-Hexyl methacrylate, dms., c.l., works	lb.	.75½-	—
dms., l.c.l., works	lb.	.76	- —
Hexyl salicylate, dms.	lb.	1.75	- —
Hexylene glycol, dms., c.l., dlvd	lb.	.17½-	—
dms., l.c.l., dlvd	lb.	.19	- —
tanks, dlvd.	lb.	.15	- —
Hexylresorcinol, USP, dms., 25-lb. lots or more, dlvd	lb.	14.00	- —
dms., smaller lots, dlvd.	lb.	14.50	- —
Homatropine hydrobromide, USP, bots.	oz.	3.00	- —
Homatropine methylbromide, USP, bots.	oz.	3.90	- —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago	unit-ton.	6.75	- —
Horehound herb, bls.	lb.	.16	- .19
Hydrastis (see Goldenseal).			
Hydrazine hydrate, 85% ret. dms., works	lb.	1.35	- 1.55
100%, ret. dms., works	lb.	1.60	- 1.90
Hydriodic acid, 1.50 s.g., cbys.	lb.	2.92	- —
1.70 s.g. cbys.	lb.	3.23	- —
Hydroabietyl alcohol, tech., solid, dms., c.l., dlvd. zone 1	lb.	.29¼-	—
dms., l.c.l., dlvd. zone 1	lb.	.29¾-	.30¼
tanks, dlvd. zone 1	lb.	.27¼-	—

Zone 1 for hydroabietyl alcohol comprises all of continental US except Ariz., Calif., Colo., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo., and the western part of Texas.

Hydrobromic acid, medicinal, 48%, cbys., dlvd. E	lb.	.37	- .43
Hydrochloric acid, anhyd. (see Hydrogen chloride)			
Hydrochloric acid, 18°, cbys., c.l., works 100 lbs.		2.50	- —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs.		2.90	- 3.05
tanks, works, frt. equald	ton.	28.00	- —
Hydrochloric acid, 20°, cbys., c.l., works 100 lbs.		2.75	- —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs.		3.15	- —
tanks, works frt. equald	ton.	30.00	- —
22°, cbys., c.l., works 100 lbs.		3.25	- —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs.		3.65	- —
tanks, works frt. equald	ton.	35.00	- —
Hydrochloric acid, CP, USP, consumers cbys. extra c.l. works	lb.	.15¾-	—
cbys., l.c.l., same basis	lb.	.17¼-	.17¾
Hydrochloric acid, 5-pint bots., extra cs., c.l., same basis	lb.	.20¾-	—
Hydrocortisone acetate, bulk, bots., kilo lots or more	gram.	2.25	- —
Hydrocortisone alcohol, bulk, bots., kilo lots or more	gram.	2.25	- —
Hydrocyanic acid, dilute, NF, 2%, 5-lb. bots	lb.	.40	- —
Hydrofluoric acid, anhyd. (see Hydrogen fluoride)			
Hydrofluoric acid, aqueous, 70%, 55-gal. dms., c.l., t.l., dlvd. 100 lbs.		19.25	- —
55-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.		20.75	- —
20-gal. dms., c.l., t.l., dlvd. 100 lbs.		21.00	- —
20-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.		22.50	- —
tanks, works, frt. equald. 100 lbs.		15.50	- —

Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Washington and Wyoming. In those states add $2.70 per cwt. for drum delivery.

Hydrofluosilicic acid, dms., works, 30% basis	lb.	.06	- —
Hydrofuramide, dms., fib. ctns., works	lb.	.30	- .40
50-lb. cyls., l.c.l., works	lb.	.55	- .60
Hydrogen chloride, anhyd., 50-lb. cyls., l.c.l., works	lb.	.45	- —
Hydrogen cyanide, liq., 96%, tanks, works	lb.	.16	- —
Hydrogen fluoride, anhyd., cyls., dlvd. E	lb.	.30½-	.32¼
cyls. dlvd. W.	lb.	.39	- —
tanks, works	lb.	.21	- —
Hydrogen peroxide, USP, bbls. dlvd.	lb.	.03¾-	.05
35%, dms., c.l., dlvd.	lb.	.202	- —
dms., l.c.l., dlvd.	lb.	.211	- —
tanks, dlvd.	lb.	.1800-	—
Hydroquinone, photo grade, dms.	lb.	1.10	- 1.13
Tech., dms., c.l., dlvd.	lb.	.82½-	—
dms., l.c.l., dlvd.	lb.	.84½-	—
Hydroxyacetic acid, tech., 70%, dms., Philadelphia and Chicago	lb.	.11	- —
tanks, Belle, W. Va.	lb.	.073	- —
Hydroxycitronellal, cns.	lb.	4.00	- 4.80
Hydroxyethyl cellulose, low viscosity grades, 20,000-lb. lots or more, f.o.b. shipping point	lb.	1.00	- —
2,000 to 19,999-lb. lots, same basis	lb.	1.03	- —
150 to 1,999-lb. lots, same basis.	lb.	1.07	- —
Less than 150-lb. lots, same basis	lb.	1.17	- —
Hydroxyethyl cellulose, high viscosity grades, 20,000-lb. lots or more, more, f.o.b. shipping point	lb.	1.10	- —
2,000 to 19,999-lb. lots, same basis	lb.	1.15	- —
Hydroxyethyl cellulose, 85 to 1,999-lb. lots, same basis	lb.	1.17	- —
Less than 85-lb. lots, same basis.	lb.	1.27	- —
Hyoscine salts (see Scopolamine)			
Hyoscyamine hydrobromide, bots.	oz.	6.00	- 7.00
Hyoscyamine sulfate, bots.	oz.	6.00	- 6.50
Hypernic extract, cryst. No. 1 bbls., l.c.l.	lb.	.52	- —
Liq. No. 1 bbls., l.c.l.	lb.	.35	- —
No. 2, bbls., l.c.l.	lb.	.27	- —
Hypophosphorus acid, purif. 50% cbys., ton lots, f.o.b. works	lb.	.85	- —
NF, 30%, cbys., all quantities, same basis	lb.	.73	- —

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Ichthammol, NF, dms.	lb.	.75	- 1.05
Indigo (see Dyes coaltar, 1171 indigo, syn).			
Indole, CP, bots	lb.	15.75	-18.23
Inositol, bots., dlvd.	lb.	5.00	- —
dms., dlvd.	lb.	4.50	- 4.75
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs.	lb.	.95	- —
Resub., USP, dms	lb.	2.00	- 2.02
Iodochlorohydroquinolin, USP, dms.	lb.	3.60	- —

ORONITE®

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PHTHALIC ANHYDRIDE

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Foreign Affiliate: California Chemical International, Inc., San Francisco, Geneva, Panama

Iodoform, NF, dms., kgs.	lb.	4.90	- 5.00
a-Ionone, cns.	lb.	3.75	- 4.15
b-Ionone, cns.	lb.	4.20	- 4.90
Ipecac root, whole, bgs.	lb.	8.00	- 8.50
Powd., bbls., bxs.	lb.	9.50	-10.00
Irish moss, bleached, prime, bls.	lb.	.28	- .34
Iron blue, alkali-resisting, bbls., c.l., dlvd. E	lb.	.57	- —
bbls., l.c.l., ton lots, same basis.	lb.	.58	- —
bbls., smaller lots, same basis.	lb.	.59	- —
Iron blue, reg., dom., bbls., c.l., dlvd. E	lb.	.52	- —
bbls., l.c.l., ton lots, same basis.	lb.	.53	- —
bbls., smaller lots, same basis.	lb.	.54	- —
Iron blue, reg., imp., British, bbls., c.l., dlvd. E	lb.	.48	- —
bbls., l.c.l., ton lots, same basis.	lb.	.49	- —
bbls., smaller lots, same basis.	lb.	.50	- —
Iron blue dlvd. prices 1c. higher for Pacific Coast states:—Wash., Ore., Cal., N. M., Ariz., Mon., Wyo., Utah, Col. and Nev.			
Iron compounds (see Ferric or Ferrous)			
Iron oxide, black, pure, bgs., c.l., works	lb.	.14¾-	—
bgs., l.c.l., works	lb.	.15	- —
Iron oxide, brown, pure, bgs., c.l., works	lb.	.14½-	—
bgs., l.c.l., works	lb.	.14½-	—
Iron oxide, metallic, brown, bgs., works	lb.	.05¼-	—
Iron oxide, Persian Gulf, red, bgs., c.l., works	lb.	.08¾-	—
Iron oxide, red, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.14¼-	—
Iron oxide, red, nat., 75-85% ferric oxide, bgs., c.l., works	lb.	.06¼-	—
bgs., l.c.l., works	lb.	.06½-	—
Iron oxide, Spanish red, bbls., c.l., ex dock	lb.	.05¾ Nom.	
bbls., l.c.l., ex dock	lb.	.06 Nom.	
bbls., l.c.l., ex whse. New York.	lb.	.06½ Nom.	
Iron oxide, yellow, nat., French type, bgs., c.l., works	lb.	.06¼-	—
Peruvian type, bgs., l.c.l.	lb.	.023 -	.024
Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works	lb.	.12¼-	—
Other shades, same basis	lb.	.12 -	—
Isoamyl alcohol, dms., c.l., works, frt. alld. E	lb.	.27½-	—
dms., l.c.l., same basis	lb.	.29 -	—
tanks, same basis	lb.	.28 -	—
Isoborneol, cns.	lb.	1.44 -	1.80
Isobornyl acetate, cns.	lb.	.48 -	.56
Isobornyl formate, dms.	lb.	1.20 -	—
Isobornyl proprionate, dms.	lb.	1.25 -	1.35
Isobutyl acetate, perfume grade, cns	lb.	.75 -	1.00
Solvent grade, dms., c.l., dlvd. E. of Rockies	lb.	.15¼-	—
dms., l.c.l., same basis	lb.	.17 -	—
tanks, same basis	lb.	.12¾-	—
Isobutyl alcohol, dms., c.l., dlvd.	lb.	.16 -	—
dms., l.c.l., dlvd	lb.	.17½-	—
tanks, dlvd.	lb.	.13½-	—
Isobutyraldehyde, CP, dms., c.l., dlvd.	lb.	.27½-	—
dms., l.c.l., dlvd.	lb.	.28½-	—
Isobutyraldehyde, tech., dms., c.l., dlvd.	lb.	.21½-	—
dms., l.c.l., dlvd.	lb.	.22½-	—
tanks, dlvd.	lb.	.19½-	—
Isoeugenol, cns.	lb.	3.55 -	3.75
Isoniazid, powd., kilo or more	kilo.	18.00 -	—
Isonicotinic acid, 100-lb. fib dms., works	lb.	4.25 -	—
Isonicotinic acid hydrazide (see Isoniazid).			
Iso-octyl alcohol, dms., c.l., dlvd. E	lb.	.23½-	—
dms., l.c.l., dlvd. E	lb.	.25 -	—
tanks, dlvd. E.	lb.	.21 -	—
Isopentane, coml. grade, tanks, f.o.b. Tex. refy.	gal.	.15½-	—
Isopropanol (see Isopropyl alcohol).			
Isophorone, dms., c.l., works	lb.	.24½-	—
dms., l.c.l., works	lb.	.25¼-	—
tanks, works	lb.	.22½-	—
Isopropyl acetate, dms., c.l., dlvd.	lb.	.14 -	—
dms, l.c.l., same basis	lb.	.15½-	—
tanks, same basis	lb.	.11½-	—
Isopropyl alcohol, refd., 91%, dms., c.l., dlvd.	gal.	.58 -	—
dms., l.c.l., dlvd.	gal.	.68 -	—
tanks, dlvd.	lb.	.42 -	—
95%, c.l., dms., dlvd.	gal.	.60 -	—
dms., l.c.l., dlvd.	gal.	.70 -	—
tanks, dlvd.	gal.	.44 -	—
Isopropyl alcohol, refd., 99%, dms., c.l., dlvd.	gal.	.62 -	—
dms., l.c.l., dlvd.	gal.	.72 -	—
tanks, dlvd.	gal.	.46 -	—
Isopropyl benzene (see Cumene).			
Isopropyl ether, dms., c.l., dlvd.	lb.	.09½-	—
dms., l.c.l., dlvd.	lb.	.11 -	—
tanks, dlvd.	lb.	.07 -	—
Isopropyl-N-(3-chlorophenyl) carbamate (CIPC), tech., dms., c.l., t.l., works	lb.	1.00 -	—
dms., l.c.l., works	lb.	1.05 -	1.25
tanks, works.	lb.	.99 -	—
Isopropylamine (see Mono, Di, or Tri-).			
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works	lb.	.73 -	—
450-lb. fib. dms., l.c.l., works	lb.	.80 -	.90
Isoquinoline, dms., works	lb.	.65 -	1.25
Itaconic acid, purif, fib. dms., c.l. works	lb.	.54 -	—
fib. dms. l.c.l., works	lb.	.55 -	—
Tech. fib. dms., c.l., works	lb.	.39 -	—
fib. dms., l.c.l., works	lb.	.40 -	—

J

J acid, paste, bbls., works, 100% basis	lb.	2.70 -	—
Powd., bbls., same basis	lb.	2.75 -	—
Jalap root, NF, bls.	lb.	.85 -	—
powd., bbls., bxs.	lb.	1.00 -	—
Japan wax, cs	lb.	.29 -	.30
Juniper berries, bgs.	lb.	.15 -	—
Juniper berry oil, bots.	lb.	2.90 -	3.75
Twice rectified bots.	lb.	3.60 -	7.00
Juniper tar oil, NF, dms.	lb.	.42 -	.60
Juniper wood oil, tech. cns.	lb.	.36 -	.55

K

Kaolin (see also Clay, China).			
Kaolin, NF, powd., fib. dms.	lb.	.10 -	.12
colloidal, 50-lb. bgs.	lb.	.15½-	.17½
Karaya gum No. 1, NF, powd. bbls.	lb.	.38 -	.43
No. 2, powd., bbls.	lb.	.32 -	.34
No. 3, powd., bbls.	lb.	.28 -	.30
Koch acid, bbls., frt. alld., 100% basis	lb.	1.00 -	—
Kola nuts, bgs.	lb.	.13 -	—

L

L acid, bbls., works	lb.	1.25 -	—
Lacquer diluent, petroleum, 150°-240° F b.r., tanks, west coast, ex tax, Los Angeles	gal.	.174 -	—
Lacquer diluent, petroleum, 150°-240° F. b.r., tanks, east coast, N. J., N. Y.	gal.	.20 -	—
Lacquer diluent, benzene type, tanks, group 3	gal.	.1550-	—
Toluene type, tanks, group 3	gal.	.14375-	—
tanks, Houston, Tex.	gal.	.16 -	—
Lactic acid, edible, 50%, bbls. dms., c.l., frt. equald	lb.	.1789-	.2740
bbls., dms., 20 or more, frt. equald	lb.	.1839-	.2790
bbls., dms., 5 to 19, frt. equald,	lb.	.1889-	.2840
bbls., dms., 1 to 4, frt. equald.	lb.	.1938-	.2890
80%, c.l., bbls., dms., frt. equald	lb.	.3039-	.4625
bbls., dms., 20 or more, frt. equald	lb.	.3089-	.4675
bbls. dms. 5 to 19 frt. equald.	lb.	.3139-	.4725
bbls., dms., 1 to 4 frt. equald.	lb.	.3189-	.4775
Plastic grade, 50%, c.l., bbls., works	lb.	.2740-	—
bbls., 20 or more, works	lb.	.2790-	—
bbls., 5 to 19, works	lb.	.2840-	—
bbls., 1 to 4, works	lb.	.2890-	—
80%, bbls., c.l., works	lb.	.4625-	—
bbls., 5 to 19, works	lb.	.4725-	—
bbls., 1 to 4, works	lb.	.4775-	—
Tech., 22%, bbls., c.l., works.	100 lbs.	6.80 -	—
bbls., l.c.l., works	100 lbs.	7.20 -	—
44%, bbls., c.l., works	100 lbs.	11.45 -	12.70
bbls., l.c.l., works	100 lbs.	11.85 -	13.10
USP, 85%, cbys.	lb.	.85 -	—
Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald	lb.	.14 -	—
bgs., 6,000-lb. lots, frt. equald	lb.	.14½-	—
bgs., 2,000-lb. lots, frt. equald	lb.	.14¾-	—
bgs., 200-lb. lots, frt. equald	lb.	.15¼-	—
Edible lactose in fib. dms., ½c. higher.			
Lactose, ferment. grade, bgs., c.l., works	lb.	.08¼-	—
USP, fib. dms., 30,000-lb. lots, frt. equald	lb.	.21½-	—
fib. dms., 2,000-lb. lots, frt. equald	lb.	.22¼-	—
fib. dms., 200-1,800-lb. lots, frt. equald	lb.	.22¾-	—
USP lactose in bags ½c. to 1c. lower.			
Lactose, USP, spray dried, bgs., t.l., frt. equald	lb.	.18½-	—
bgs., l.t.l., frt. equald	lb.	.19 -	.19¾
Lady's slipper root, bls.	lb.	3.50 -	3.75
Lake C red toner, alizarine, bbls., works	lb.	1.25 -	—
Lamp black, bgs., c.l., works	lb.	.16 -	.45
Lanolin, cosmetic, dms., works	lb.	.27 -	.29
USP, anhyd., dms., works	lb.	.24 -	.26
hydrous, dms., works	lb.	.23 -	.25
Lard, cash, dms.	lb.	.0977-	—
Lard oil (see Grease oil).			
Larkspur seed, bgs.	lb.	.35 -	—
Laurel leaf oil, dms., cns.	lb.	9.75 -	12.50
Laurent's acid, bbls.	lb.	.60 -	—
Lauric acid, 90%, dms.	lb.	.35½-	.38
tanks	lb.	.33¼-	—
Lauryl alcohol, bots.	lb.	2.00 -	2.50
n-Lauryl methacrylate, dms., c.l., t.l. works	lb.	.65½-	—
dms., l.t.l., works	lb.	.66 -	—
Lavandin oil, 22-24%, dms.	lb.	1.25 -	2.00
Abrial, dms.	lb.	1.00 -	1.50
Lavender flowers, medium, bls.	lb.	.75 -	.80
Ord., bls.	lb.	.25 -	.40
Select., bls.	lb.	1.10 -	—
Lavender flower oil, USP, French, 35-37% ester, cns.	lb.	3.50 -	9.50
38-42% ester, cns.	lb.	5.00 -	10.00
Spike, Spanish, cns.	lb.	2.30 -	2.85
Lead acetate, NF, cryst., gran., powd.	lb.	.34½-	—
White, cryst., bbls.	lb.	.25½-	—
gran., bbls.	lb.	.26½-	—
powd., bbls.	lb.	.26½-	—
Lead arsenate, acid powder, dealers, 3-lb. bgs. or larger, any quantity, frt. alld. on $100 or more	lb.	.26½-	—
1-lb. bgs., same basis	lb.	.36½-	—
Lead, blue, basic sulfate, bbls., c.l., shipt point, frt. alld.	lb.	.17 -	—
bbls., l.c.l., same basis	lb.	.18 -	—
Lead carbonate (see Lead, white, basic carbonate).			
Lead chloride, dms.	lb.	.52 -	—

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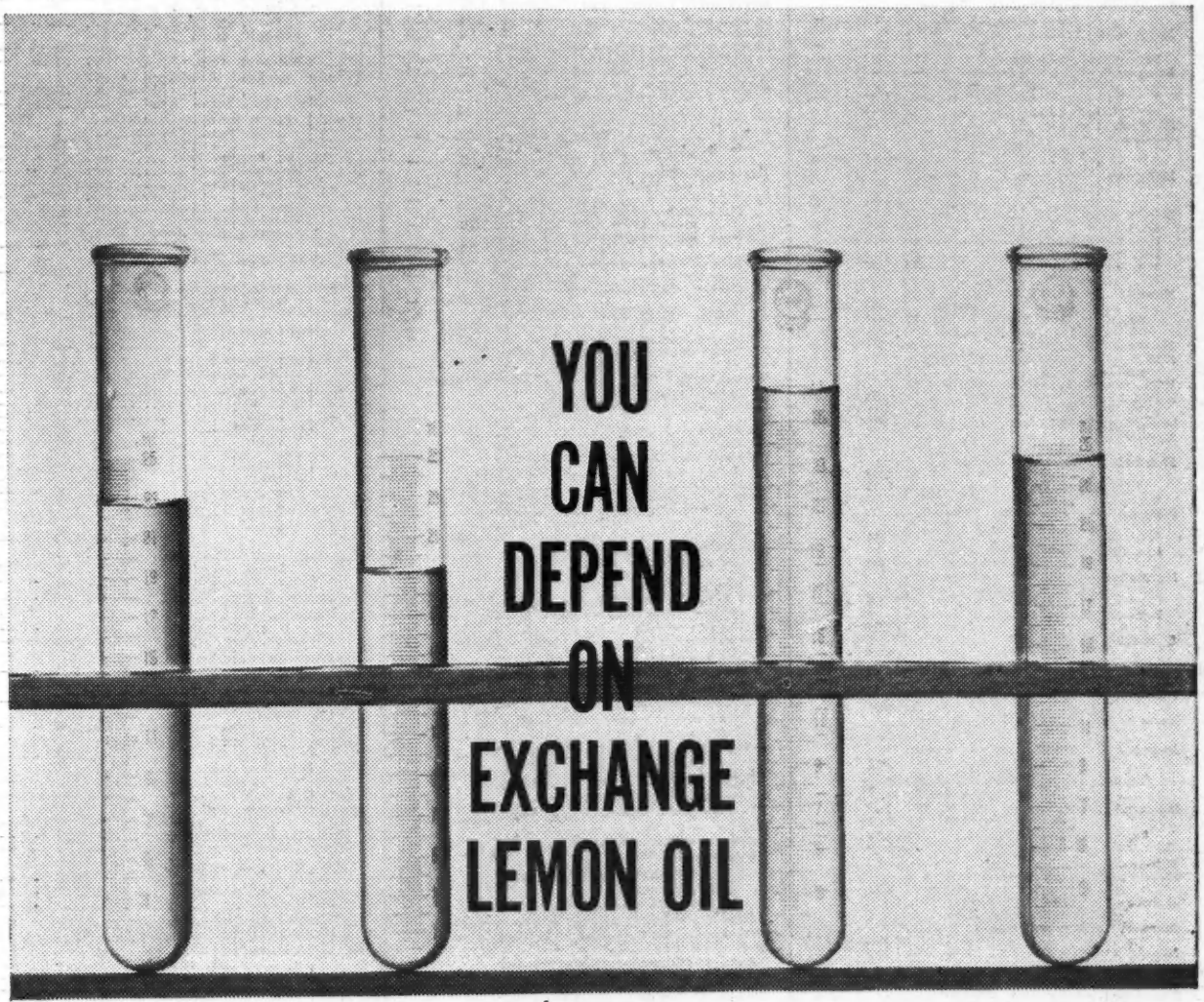
Lead iodide, NF V, jars ..... lb. 3.82 - —
Lead linoleate, fused, 26% Pb. dms. lb. .38 - —
Lead metal, prime, pigs, New York. lb. .13 - —
St. Louis ..... lb. .1280- —
Lead monosilicate, bgs., c.l., works, frt. equald ..... lb. .143 - —
bgs., l.c.l., same basis ..... lb. .153 - —
Lead naphthenate, liq., 16% Pb, dms., dlvd. lb. .19½- —
24% Pb, dms., dlvd. ..... lb. .24¼- —
Solid, 37% Pb, dms., dlvd. ..... lb. .31¾- —
Lead nitrate, bbls. ..... lb. .24¼- .26¾
Lead orthosilicate-gel, 50-60% PbO_2, dms., works lb. .29¾- .34¼
Lead peroxide, tech. powd., bbls lb. .45 - .50
Lead phthalate, dibasic, dms., works. lb. .41 - —
Lead, red, 95% Pb_3O_4 or less, bbl., c.l., works, frt. equald lb. .13¼- —
bbls., l.c.l., same basis lb. .16¼- —
97% Pb_3O_4, bbls., c.l., same basis lb. .1545- —
bbls., l.c.l., same basis ..... lb. .1645- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .1560- —
bbls., l.c.l., same basis ..... lb. .1660- —
Lead resinate, precip. 25% Pb, dms., ton lots, dlvd lb. .40¼- —
Lead salicylate, normal, dms., works, lb. .46 - —
Lead silicate (see Lead white basic silicate).
Lead, basic silico-chromate, bgs., c.l., f.o.b. mfg. point, frt. alld. lb. .19¾- —
bgs., l.c.l., same basis ..... lb. .20¾- —
Lead sulfate (see Lead blue basic sulfate).
Lead tallate, liq., 16% Pb, dms. lb. .15 - —
24% Pb. dms. ..... lb. .18½- —
Solid, 30% Pb, dms. ..... lb. .23¼- —
Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld. lb. .17¾- —
bgs., l.c.l., same basis ..... lb. .18¾- —
Lead, white, basic silicate, bgs., c.l., shipt. pt., frt. alld. lb. .16¼- —
bgs., l.c.l., same basis ..... lb. .17¼- —
Lead, white, basic sulfate, bgs., c.l., shipt. pt., frt. alld. lb. .17 - —
bgs., l.c.l., same basis ..... lb. .18 - —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works. lb. .14 - .15
non-ret. dms., l.c.l., same basis lb. .15 - .16
unbleached, non-ret. dms., c.l., same basis lb. .13 - .14
non-ret. dms., l.c.l., same basis lb. .14 - .15
Lemon bioflavonoid complex, fib. dms., 25-lb. lots, works lb. 9.00 - —
Lemon oil, USP, Calif., cns., dms lb. 3.15 - 4.00
Messina, cns. ..... lb. 4.50 - 9.50
Lemongrass oil, cns., dms. ..... lb. .90 - 1.15
dl-Leucine, dms., works ..... lb. 12.25 -15.00
Licorice root, gran., bls. ..... lb. .15 - .17
Powd., bls. ..... lb. .12 - .15
Whole, bls. ..... lb. .10 - .12
Lignaloe wood oil, Mexican, cns. lb. 2.75 - 3.50
Lignosulfonate (see under ammonium or sodium lignin sulfonate).
Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. ton. 14.25 - —
Chemical, hydrated, bgs., c.l., same basis ton. 17.25 - —
Lime, chemical, spray, bgs., c.l., same basis ton. 18.25 - —
For New York delivery, add $3.29 freight charge.
Lime oil, dist., Mexican, cns. .... lb. 6.50 - 6.80
West Indian, cns. ..... lb. 6.50 - 7.80
Expressed, West Indian, cns. .. lb. 7.75 -13.70
Lime salts (see Calcium).
Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Linalool, ex bois de rose oil, dms. lb. 3.80 - 4.30
Syn., 98-100%, dms., works .... lb. 4.40 - —
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 4.20 - 4.90
96-98%, dms. ..... lb. 4.75 - 5.60
Ex petitgrain, bots. ..... lb. 4.80 - 5.90
Syn., 98-100%, dms., works .... lb. 4.40 - —
Lindane, 25% formulation, to distributors, dms., frt. alld. lb. 1.35 - 1.50
Lindane, tech., to formulators, dms., 1-2,000 lbs., dlvd. lb. 2.40 - —
Linden flowers, with leaves, bls. lb. .25 - —
Without leaves, bls. ..... lb. .30 - —
Linseed meal expeller, 32% bulk, Minneapolis, mills ton. Nominal
Extracted, 34% bulk, same basis. ton. 75.00 -76.00
Linseed oil, raw, dms., c.l., New York lb. .1600- —
dms., l.c.l., New York ..... lb. .1700- —
tanks, f.o.b. Minneapolis ..... lb. .1250- —
tanks, New York ..... lb. .1400- —
tankwagon, New York ..... lb. .1450- .1460
Boiled linseed oil, .006c. per lb. higher.
Linseed oil acids, dist., dms. .... lb. .1900- —
Water-white, dms. ..... lb. .2230- —
Linseed pitch, dms. ..... lb. .06 - .06¼
Litharge, coml., powd., bbls., c.l., works, frt. equald. lb. .14¾- —
bbls., l.c.l., same basis ..... lb. .15¾- —
Lithium benzoate, dms. ..... lb. 1.03 - 1.07
Lithium bromide, NF, gran., works, frt. equald. lb. 2.60 - —
Lithium carbonate, NF, dms., c.l., t.l., dlvd. lb. 1.29½- —
dms., ton lots to t.l., dlvd. lb. 1.30 - 1.30½
Tech., dms., c.l., t.l., frt. alld. lb. .67 - —
dms., ton lots, same basis .... lb. .73 - —
Lithium carbonate, tech., dms., smaller lots, same basis. lb. .79 - —
Lithium chloride, CP, anhyd., dms., ton lots lb. 1.23¼- —
Tech., anhyd., dms., c.l., t.l., dlvd. or works, frt. alld. lb. .87 - —
dms., l.c.l., same basis ..... lb. .88 - .92
Lithium citrate, NF, dms., ton lots. lb. 1.50 - —
Lithium fluoride, dms., 20,000-lb. lots, dlvd. lb. 2.15 - —
bbls., ton lots and more, dlvd. lb. 2.18½- —
bbls., less ton lots, dlvd. ..... lb. 2.23½- —
Lithium hydride, powd., dms., 500-lb. lots or more, works. lb. 9.50 - —
Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld. lb. .72 - —
dms., l.c.l., frt. alld. ..... lb. .73 - —
Lithium manganite, dms., works. lb. .93 - 1.05
Lithium nitrate, tech., dms., 100-lb. lots. lb. 1.15 - 1.25
Lithium salicylate, dms. ..... lb. 1.60 - 1.70
Lithium silicate, dms., works .... lb. 1.10 - 1.20
Lithium stearate, dms., c.l., works. lb. .47½- —
dms., ton lots, works ..... lb. .46½- —
dms., less-ton lots, works ..... lb. .53½- —
Lithium sulfate, dms., 100-lb. lots. lb. 1.15 - 1.25
Lithium titanate, dms., works .... lb. 1.15 - 1.25
Lithol red toner, barium, bbls., works lb. .96 - —
Lithol-rubine red toner, pure bbls., works lb. 1.50 - —
Resinated, bbls., works ..... lb. 1.47 - —
Lithopone, ord., bgs., c.l., dlvd. E. lb. .09¾- —
bgs., l.c.l., dlvd. E. ..... lb. .09½- —
Lithopone, titanated (high-strength), bgs., c.l., dlvd. lb. .11 - —
bgs., l.c.l., dlvd. ..... lb. .12 - —
Lobelia herb, bls ..... lb. .55 - —
Lobeline sulfate, bots., works .. oz. 37.50 -38.50
Locust bean gum, powd., bgs. .... lb. .38 - .39
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. ..... lb. .39 - —
Liq. No. 1, bbls., l.c.l. ..... lb. .20 - —
No. 2, bbls., l.c.l. ..... lb. .19 - —
No. 3, bbls., l.c.l. ..... lb. .18½- —
Solid, No. 1, bxs., c.l. ..... lb. .35 - —
Lycopodium, cs. ..... lb. 9.00 - —
l-Lysine monohydrochloride, fib. dms., 25 lbs. or more. lb. 8.00 - —

M

Mace, Siauw, No. 1, bls ..... lb. 2.45 - —
No. 2 whole, bls ..... lb. 2.15 - —
siftings, bls. ..... lb. 1.95 - —
Mace oil, dist., cns., dms. ..... lb. 12.75 -15.75
Magnesia, calcined, tech., bgs., ctns., frt. equald lb. .25¾- .26½
Tech., syn., rubber grade, light, bgs., c.l., frt. equald lb. .28¾- .30
rubber grade, extra light, bgs., c.l., frt. equald lb. .28 - —
bgs., l.c.l., frt. equald lb. .28¾- —
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points.
Magnesia, calcined, USP, light bgs. lb. .36½- .37½
heavy, fib. dms ..... lb. .45 - .52
Magnesite, chemical grade, calcined, powd. bgs., c.l., works, frt. equald ton. 82.50 - —
Magnesite, chemical grade, dead-burnt, standard grain bulk c.l., Chewelah, Wash. ton. 46.00 - —
Magnesium bromide, cs., jars .. lb. .93 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald lb. .11 - —
bgs., t.l., frt. equald ..... lb. .11½- —
bgs., l.c.l., frt. equald ..... lb. .13½- .14
USP, bgs., c.l., frt. equald .... lb. .13½- —
bgs., t.l., frt. equald ..... lb. .14 - —
bgs., l.c.l., frt. equald ..... lb. .15 - .16
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points.
Magnesium chloride, anhyd., 92% flake or pebble dms., c.l., works lb. .12¾- —
dms., l.c.l., works ..... lb. .14 - .15
Magnesium chloride, hydrous, 99% flake, bgs., c.l., works. ton. 55.00 - —
bgs., l.c.l., works ..... ton. 65.00 -80.00
Magnesium gluconate, dms. ..... lb. 1.42 - —
Magnesium hydroxide, NF, powd., dms., 500-lbs. or more, f.o.b., works lb. .24½- .25½
Magnesium lauryl sulfate, dms., c.l., frt. alld lb. .21 - —
dms., l.c.l., frt. alld. ..... lb. .22 - —
tanks, frt. alld. ..... lb. .20 - —
Magnesium metal, 99.8% ingots, 10,000-lb. lots or more, works lb. .36 - —
Pigs, 10,000-lb. lots or more, works lb. .35¼- —
Sticks, cs. works frt. alld. on carlots lb. .59 - —
Magnesium nitrate, cryst., dms., works lb. .29 - —
Magnesium oxide (see Magnesia, calcined).
Magnesium peroxide, 15%, dms., works lb. 1.00 - 1.03
Magnesium phosphate, tribasic, NF, bbls lb. .75 - —
Magnesium silicate (see Talc).
Magnesium silicofluoride, dms., works lb. .10½- .12
Magnesium sulfate, tech., bgs., c.l., works 100 lbs. 2.15 - —
bgs., l.c.l., works. ..... 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
bgs, l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
bgs, smaller lots .... 100 lbs. 3.35 - —
Magnesium trisilicate, USP, fib. dms., 5,000-lb. lots lb. .23 - —
fib. dms., 1,000-lb. lots ..... lb. .40 - —
fib. dms., 100-lb. lots ..... lb. .45 - —
Bulky and super grades of magnesium trisilicate 7c. per. lb. higher.
Malachite green, straight, PTMA, bbls. works lb. 5.30 - —
Malathion, dms., c.l., works .... lb. .89 - —
dms., l.c.l., works ..... lb. .92 - 1.01
Maleic acid, cryst., powd., dms lb. .37¼- —
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .28¾- —
dms., l.c.l., dlvd. E. of Rockies lb. .29¾- —
tanks, dlvd. E. of Rockies .... lb. .27¾- —
Prices on maleic anhydride W. of Rockies, 1½c. per. lb. higher.



always pure
absolutely uniform
authentic U.S.P. oil

WHEN JUST AN OUNCE OR TWO of lemon oil can glorify—or ruin—a hundred-pound batch of your product, why gamble?

Use only Exchange Brand Lemon Oil, U.S.P., California Cold-pressed.

Made exclusively from their own California and Arizona lemons by the Sunkist Growers—the people who know citrus best—Exchange Lemon Oil is carefully cold-pressed, skillfully bulk-blended for matchless uniformity.

Sunkist Growers pack and seal every container—from the 7-pound tin to the 395-pound drum—in their own plant, and guarantee every drop to be pure U.S.P. quality oil—unadulterated, unsophisticated. Always look for the word "Exchange" on the tamper-proof container seal.

Exchange
Sunkist Growers
PRODUCTS SALES DEPARTMENT • ONTARIO, CALIFORNIA

Distributed in the U.S. by: Dodge & Olcott, Inc., 180 Varick Street, New York 14, N.Y. / Fritzsche Brothers, Inc., 76 Ninth Avenue, New York 11, N.Y. / Ungerer & Company, 161 Avenue of the Americas, New York 13, N.Y.

Malic acid, tech., dms. ..... lb. .50 - —
Mandelic acid, NF, dms., 1,000-lb. lots.. lb. 2.35 - —
dms., smaller lots..... lb. 2.40 - 2.50
Mandrake root, bls..... lb. .45 - .48
Manganese acetate, dms., dlvd.... lb. .35 - —
Manganese borate, tech., fib. dms., lb. .23½- —
Manganese carbonate, chemical grade, 46% Mn, bgs., 20,000-lb. lots and more, works lb. .11 - .16
Manganese chloride, CP, anhyd., dms., 20,000-lb. lots, works lb. .21¾- —
smaller lots, works..... lb. .23½- —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net works ton.148.00 - —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, paper bgs., same basis .... ton.144.50 - —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, dms., same basis ton.152.50 - —

Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.

Manganese gluconate, dms. ....lb. 1.84 - —
Manganese hydrate, dms., dlvd. lb. .35 - —
Manganese hypophosphite, NF, dms. lb. 2.52 - —
Manganese linoleate, liq., 4.35% Mn, dms lb. .35¾- —
Solid, precip., 8.2% Mn, bbls .lb. .41¼- —
Manganese metal, electrolytic, dms., c.l., dlvd. E..... lb. .34 - —
dms., ton lots, dlvd. E. lb. .36 - —
dms., smaller lots, dlvd. E.. lb. .38 - —
Manganese naphthenate, liq., 6% Mn, dms., frt. alld lb. .29¾- —
Manganese resinate, fused, 3½% Mn, dms .lb. .25¼- —
Precip., 6½-7% Mn, dms .....lb. .33 - —
Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd. S. E. ton.97.50 - —
bgs., l.c.l., dlvd. S. E. ..ton.104.50 - —
Manganese tallate, 6% dms .... lb. .24 - —
Mangrove bark, E. African, 30% tannin, bgs. c.l., ex dock ton.67.00 -68.00
Mangrove bark, South American, 30% tannin, bgs., c.l., ex dock..ton.47.00 -50.00
Manila copal gum, C, bgs. .....lb. .35 - .39
DBB, bgs. .....lb. .25 - .29
DK, bgs. .....lb. No stocks.
DK, dust bgs. .....lb. .14 Nom.
MA, soft, bgs. .....lb. .20 - .24
WS, bgs. .....lb. No stocks.
Mannitol, com'l, fib. dms., ton lots, works lb. .60 - —
fib. dms. to ton lots, works .lb. .62 - —
fib. dms., single dm., works..lb. .65 - —
Marine pitch, dms. .....lb. .04¼- .05
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works ..... lb. .30 - —
bgs., l.c.l., works ..... lb. .31 - —
Menadione, USP, bots. .....gram. .044 - .05
Menhaden oil, crude, tanks, works, Atl. & Gulf..lb. .07⅞ Nom.
Menthol, nat., USP, Brazilian, cs. lb. 5.00 - 5.25
Japanese, cs. .....lb. 7.00 - 7.18
Syn., USP, racemic cns ..... lb. 4.50 - —
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .44 - —
bgs., fib. dms. less ton lots, same basis lb. .46 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton lots, works, frt. alld lb. .54 - —
bgs., fib. dms., less ton lots, same basis lb. .56 - —
Mercuric chloride, NF, cryst., dms., 50-lb lots or more lb. 4.98 - —
gran. or powd., dms., 100-lb. lots or more lb. 4.78 - —
Mercuric cyanide NF VIII, powd., fib. dms lb. 6.84 - —
Mercuric iodide, red, NF X, fib. dms., lb. 7.72 - —
Mercuric oxide, red, NF X, powd., 50-lb. lots or more lb. 5.97 - —
Tech., 100-lb. lots or more, works lb. 5.77 - —
Mercuric oxide, yellow, NF X, fib. dms lb. 6.14 - —
tech., bbls., 1,000-lb. lots .. lb. 5.58 - —
bbls., smaller lots..... lb. 5.60 - —
Mercurous chloride (see Calomel).
Mercurous iodide, yellow, NF, fib. dms lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP XV).
Mercury metal, 76 lbs. per flask, net flask.220.00 -224.00
Mesityl oxide, dms., c.l., dlvd. . lb. .15 - —
dms., l.c.l., dlvd. ..... lb. .16½- —
tanks, dlvd. ..... lb. .12½- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanilic acid, dms., works .... lb. .57 - .75
Metanitroparatoluidine (see m-Nitro-toluidine).
Metanitroaniline (see m-Nitroaniline).
Metaphenylenediamine (see m- Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methacrylic acid, glacial, 98%, dms., truckloads, works lb. .47 - —
dms., smaller lots, works lb. .47½- .80
tanks, works ..... lb. .45 - —
Methanol, nat., denaturing grade, tanks, frt. alld gal. .85 - —
Syn., zone 1, dms., c.l. or t.l. min., dlvd gal. .47½- —
dms., l.c.l., dlvd. ..... gal. .54½- —
tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area gal. .31 - —
tankwagon, 4,000 gal. min., dlvd gal. .28 - —
tankwagon, 4,000 gal. min., works gal. .25 - —
Zone 2, dms., c.l., or t.l., min. frt. alld. or dlvd. gal. .51¼- —
dms., l.c.l., works ..... gal. .58½- —
tankwagon, 2,000-4,000 gal. lots, min., dlvd., Metropolitan area gal. .35 - —
tanks, 4,000 gal. min., dlvd. gal. .30 - —

Synthetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methapyrilene hydrochloride, 100-999 lbs., dms., f.o.b. works, frt. equald ..lb.27.25 - —
Methapyrilene fumarate, 100-999 lbs., dms., f.o.b. works, frt. equald lb.21.75 - —
Methionine hydroxyanalogue, (calcium salt) 90% min., dms., t.l., frt alld..... lb. 1.25 - —
dms., l.t.l., same basis..... lb. 1.20 - —
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 3.50 - —
Feed grade, 98%, fib. dms., same basis lb. 1.55 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .66 - .70
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .21½- —
non-ret. dms., l.c.l., same basis.lb. .22 - .22½
Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .23½- —
non-ret. dms., l.c.l., same basis. lb. .24 - .24½

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Methyl acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
Syn., dms., c.l., frt. alld. E. .. gal. .66 - —
dms., l.c.l., frt. alld. E. ....gal. .72 - —
tanks, frt. alld. E. ..... gal. .51 - —

Synthetic methyl acetone E. territory comprises all states East of and including Colo., Mont., N. Mex. and Wyo. West territory is made up of all states west of those four.

Methyl acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
dms., l.t.l., dlvd. ..... lb. .40 - —
tanks, dlvd. ..... lb. .37 - —
Methyl alcohol (see Methanol).
Methyl amyl acetate, dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., dlvd. E. ..... lb. .18½- —
tanks, dlvd. E. ..... lb. .14½- —
Methylamyl alcohol, dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd. ..... lb. .18½- —
tanks, dlvd. ..... lb. .14½- —
Methylamyl ketone, dms., works.lb. 1.05 - —
Methyl anthranilate, cns. ..... lb. 2.25 - 2.75
Methyl benzoate, cns., dms. ..... lb. .65 - .75
Methyl bromide, service organization prices, 40 to 375-lb. cyls., large lots, frt. alld lb. .62 - .65
Methyl cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .82 - —
50-lb. bgs., 2,000-lb. lots and more, same basis lb. .89 - —
50-lb. bgs., smaller lots, frt. alld. on 100 lbs lb. 1.05 - —
Methyl cellulose, standard vis. (15,-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .69 - —
50-lb. bgs., 2,000-lb. lots and more, same basis ....lb. .76 - —
50-lb. bgs., smaller lots, frt. alld. on 100-lbs lb. .79 - .99
Methyl chloride, indust., cyls., frt. equald lb. .22¼- —
tanks, multi-unit, same basis. lb. .16½- —
tanks, single unit, same basis. lb. .12¾- —
Refrigerator mfrs., cyls., dlvd lb. .42¾- —
other consumers or service men, cyls., dlvd lb. .67¾- —
Methyl chloroform (see 1,1,1-Trichloroethane).
Methyl cinnamate, cns. ..... lb. 1.55 - 1.80
Methyl ethyl ketone, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd. ..... lb. .16½- —
tanks, dlvd. ..... lb. .12½- —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .45 - —
dms., l.c.l., works ..... lb. .45¾- —
tanks, works ..... lb. .43 - —
Methyl formate, refd., dms. .... lb. .35 - .40
Tech., non-ret. dms., any quantity, works lb. .10 - —
a-D Methyl glucoside, tech., 100-lb. multiwall paper bgs., c.l., works lb. .21 - —
100-lb. multiwall paper bgs., t.l., min. 23,000 lbs., works lb. .21½- —
100-lb. multiwall paper bgs., l.t.l., works ..... lb. .23 - —
Methyl heptin carbonate, bots lb.28.00 -31.00
Methyl p-hydroxybenzoate, fib. dms. lb. 1.90 - 2.00
Methyl ionone, standard, cns., dms. lb. 3.40 - 3.85
Methyl isobutyl carbinol (see Methyl amyl alcohol).
Methyl isobutyl ketone, dms., c.l., dlvd lb. .17 - —
dms., l.c.l., dlvd. ..... lb. .18½- —
tanks, dlvd. ..... lb. .14½- —
Methyl methacrylate, dms., c.l., t.l., frt. equald, with Belle, W. Va. lb. .31 - —
dms., smaller lots, same basis lb. .31½- —
tanks, same basis ..... lb. .29 - —
Methyl naphthyl ketone, cryst., cns lb. 3.00 - 4.30
Methyl parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Methyl parathion tech., 80%, dms., frt. alld. E lb. .84 - —

Methyl parathion prices 2c. per lb. higher in West.

Methyl roseaniline chloride, NF., 5-lb. fib. dms. lb. 6.90 - —
Methyl salicate, USP, cns., 500-lb. lots lb. .62½- .67½
Methyl testosterone, USP, 100-gram bots gram. No Prices.
Methyl violet toner, molybdated, PMA, bbls., dlvd. E. of Rockies lb. 2.80 - —
Methyl violet toner, tungstated, PTMA, bbls., same basis. lb. 4.35 - —

Methyl violet prices 1c. higher W. of Rockies.

Methylene blue, fib. dms., 100-lb. lots, frt. adjusted ..... lb. 3.25 - —
Methylene chloride, tech., straight or assorted, dms., c.l., or t.l., dlvd lb. .14 - —
dms., l.c.l., l.t.l., dlvd.... lb. .16¾- —
tanks, 4,000-gal. min., tank trucks, maximum load limit, dlvd lb. .12½- —
tanktrucks, 1,000-gal. min., dlvd lb. .13½- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb. .90 - —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-phenyl-3-methylpyrazolone-5),
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs. c.l., works lb. .04 - —
roofing, 20 to 80 mesh, works lb. .03 - —
Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06½- —
bgs., l.c.l. ex-whse. ..... lb. .07¼- —
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E. lb. .08¼- —
bgs., l.c.l., ex-whse, or freight alld. E lb. .09 - —
rubber, bgs., c.l., works, frt. alld. E lb. .08 - —
bgs., l.c.l., ex-whse. or frt. alld. E. lb. .08¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .08¾- —
bgs. ex-whse. or frt. alld. E. lb. .09 - —
Mica, wet-grd., white, 9-10 microns, bgs., c.l., works, frt. alld. E. lb. .09¼- —
l.c.l., ex-whse., or frt. alld. E. lb. .09 - —
Mica, wet-grd. W. of Miss. ½c. higher; W. of Rockies 1c. higher.
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 - .11
laminating grades, tankcars, works lb. .11 - .12
Mineral black, bgs., works ..... lb. .0160- .0673
Mineral oil, white, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. refy gal. .62 - —
non-ret. dms., l.c.l., same basis gal. .67 - —
tankcars, refy. ..... gal. .46 - —
65-75 vis., non-ret. dms., c.l., same basis gal. .62 - —
tankcars, refy. ..... gal. .46 - —
80-90 vis., non-ret. dms., c.l., same basis gal. .63 - —
non-ret. dms., l.c.l., same basis gal. .68 - —
tankcars, refy. ..... gal. .47 - —
135-138 vis., non-ret. dms., c.l., same basis gal. .69 - —
non-ret. dms., l.c.l., same basis gal. .74 - —
tankcars, refy. ..... gal. .53 - —
145-155 vis., non-ret. dms., c.l., same basis gal. .75 - —
non-ret. dms., l.c.l., same basis gal. .80 - —
tankcars, refy. ..... gal. .59 - —
Mineral oil, white, USP, 180-190 vis., non-ret. dms., c.l., same basis gal. .77 - —
non-ret. dms., l.c.l., same basis gal. .82 - —
tankcars, refy. ..... gal. .61 - —
200-210 vis., non-ret. dms., c.l., f.o.b., New York gal. .84 - —
non-ret. dms., l.c.l., same basis gal. .89 - —
tankcars, refy. ..... gal. .63 - —
300-350 vis., non-ret. dms., c.l., f.o.b. New York gal. .84½- —
non-ret. dms., l.c.l., same basis gal. .89½- —
tankcars, refy. ..... gal. .68½- —
Mineral orange, American, bbls., c.l., works lb. .1760- —
bbls., l.c.l., same basis ..... lb. .1960- —
Mineral spirits, petroleum, odorless, tanks, refy. Watson, Calif. gal. .25 - —
tanks, Borger, Tex. ..... gal. .25 - —
Houston, Tex. ..... gal. .25 - —
Philadelphia ..... gal. .32 - —
Newark ..... gal. .29 - —
New York, dlvd. ..... gal. .30½- —
Wood River, Ill. ..... gal. .2725- —
tankwagon, New Jersey, dlvd. gal. .27½- —
tankwagon, New York, dlvd. gal. .28½- —
Mineral spirits, petroleum, regular, tanks, Calif., ex tax San Francisco gal. .169 - —
tanks, east coast, New Jersey, New York gal. .18 - —
tanks, group 3 ..... gal. .12875- —
tanks, Houston, Tex. ... gal. .145 - —
tankwagon, Boston ..... gal. .20 - —
Buffalo ..... gal. .20½- —
Chicago ..... gal. .289 - —
Cleveland ..... gal. .23½- —
Newark ..... gal. .19 - —
New York ..... gal. .19 - —
Philadelphia ..... gal. .19½- —
Pittsburgh ..... gal. .19 - —
Providence ..... gal. .20½- —
Mirbane oil (see Nitrobenzene)
MNPT maroon toner, kgs., c.l., works lb. 6.30 - —
Molasses, blackstrap, feed grade, tanks, New Orleans. gal. .12½- .13
tanks, New York ..... gal. .16 - —
Molybdated orange, bbls. ..... lb. .48 - —
Molybdenum metal, powd., 80 or 200 mesh, ctns., works kilo. 7.84 - —
325 mesh, ctns., works ..... kilo. 9.13 - —
Molybdenum trioxide, purif., dms., works lb. 1.13 - —
Tech., chemical, dms., works, basis Mo. content lb. 1.42 - —
Tech., metallurgical, dms., works, basis Mo. content lb. 1.47 - —
Molybdic acid, 85%, dms., works. lb. 1.05 - 1.15
Monoallylamine, dms., c.l., dlvd. lb. .965 - —
dms., c.l., dlvd. ..... lb. .995 - —
tanks, dlvd. ..... lb. .96 - —
Monobutylamine, dms., c.l., dlvd. E. of Rockies lb. .57½- —
dms., l.c.l., same basis ..... lb. .59 - —
tanks, same basis ..... lb. .55 - —
Mono-tert-butyl-m-cresol, dms., c.l., works lb. .53 - —
dms., l.c.l., works ..... lb. .56 - —
tanks, works ..... lb. .54 - —
Monochloracetic acid, purif. (see Chloroacetic acid, mono).
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E. lb. .10½- —
dms., l.c.l., same basis ..... lb. .11½- —
tanks, same basis ..... lb. .08¾- —
Monoethanolamine, dms., c.l., dlvd. E. lb. .27½- —
dms., l.c.l., same basis ..... lb. .29 - —
tanks, same basis ..... lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% aqueous, solution, dms., c.l., dlvd. E. 100% basis lb. .38½- —
dms., l.c.l., dlvd. E., 100% basis. lb. .40 - —
tanks, dlvd. E., 100% basis ... lb. .35 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidine (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd E. lb. .27½- —
dms., l.c.l., same basis ..... lb. .29 - —
tanks, same basis ..... lb. .25 - —
Monoisopropylamine, anhyd., dms., c.l., dlvd. lb. .33½- —
dms., l.c.l., same basis ..... lb. .35 - —
tanks, same basis ..... lb. .31 - —
Monomethylamine, anhyd., cyls., l.c.l., frt. equald., 100% basis lb. .30 - —
tanks, same basis ..... lb. .26 - —
30-35% soln., dms., c.l., frt. equald., 100% basis lb. .36 - —
dms., l.c.l., frt. equald., 100% basis lb. .36½- —
tanks, frt. equald., 100% basis. lb. .26 - —
40% soln., dms., frt. equald., 100% basis lb. .33 - —
dms., l.c.l., frt. equald., 100% basis lb. .33½- —
tanks, frt. equald., 100% basis. lb. .26 - —
Monopentaerythritol, tech., bgs., c.l., dlvd. E lb. .30 - —
bgs., l.c.l., dlvd. E. ..... lb. .31 - —
Monopotassium glutamate, dms., 1,000-lb. lots, frt. alld. lb. 3.05 - —
dms, 100-lb. lots, same basis.... lb. 3.25 - —
Monosodium glutamate, dms., any quantity, dlvd. lb. 1.07 - —
Monosodium phosphate (see sodium phosphate, monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-butyl-m-cresol).
Montan wax, dom., refd., bgs. ....lb. .29 - .30
Imp., crude, Bohemian, bgs. ....lb. .22 - .24
German, bgs. ..... lb. .26 - .27
Morphine, cns. ..... oz.12.40 -12.60
Morphine acetate, anhyd., cns. ....oz. 9.95 -10.00
Morphine hydrobromide, cns. ....oz. 9.90 - 9.95
Morphine hydrochloride, NF, cns oz. 9.90 - 9.95
Morphine sulfate, USP, cns. ..... oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E. .lb. .55¼- —
dms., l.c.l., dlvd. E. ..... lb. .56¼- —
tanks, dlvd. E. ..... lb. .52¾- —
Muriatic acid (see Hydrochloric acid).
Musk, syn., ambrette, fib. dms., 100-lb. lots. lb. 4.45 - 5.15
cns., 25-lb. lots ..... lb. 5.05 - 5.65
Ketone, fib. dms., 100-lb. lots lb. 4.70 - 5.30
cns., 25-lb. lots ..... lb. 5.35 - —
Xylol, fib. dms., 100-lb. lots. .lb. 1.40 - —
cns., 25-lb. lots ..... lb. 1.45 - —
Mustard seed, Danish, yellow, bags. lb. .11½- —
Montana, yellows, bgs. ..... lb. .11 - —
Oriental, bgs. ..... lb. .07½- —
Mustard oil, syn. bots. ..... lb. 1.60 - 1.85
Mustard seed oil, nat., dms. ....lb. 9.50 - 9.85
Myristic acid, bgs. ..... lb. .27 - .29½
tanks ..... lb. .26¾- —
Myrobalans, Bombay ..... ton.44.00 -45.00
J-1, genuine, bgs., ex dock..ton.50.00 -51.00
J-1, crushed, bgs., ex dock..ton.65.00 -66.00
Myrobalans, extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty..lb. .10½- .10¾
Myrrh gum, cs. ..... lb. .50 - .55

N

Naphtha, high solvency (see Solvent naphtha, petroleum).
Naphtha, petroleum, cleaner's, 140°F. flash, tanks, east coast, New Jersey and New York..gal. .19 - —
tanks, group 3 ..... gal. .15 - .15¼
tanks, Houston, Tex. ..... gal. .19 - —
tankwagon, Newark ..... gal. .19 - —
New York ..... gal. .19 - —
Philadelphia ..... gal. .19½- —
Naphtha, VM&P, petroleum, 225°-300°F., b.r., tanks, west coast, Los Angeles....gal. .174 - —
Portland, Ore. ..... gal. .19 - —
San Francisco ..... gal. .179 - —
Seattle, Wash. ..... gal. .18 - —
east coast, New Jersey and New York..gal. .19 - —
group 3 ..... gal. .13875 —
Naphtha, VM&P, petroleum, tankwagon, Boston..gal. .21½- —
Chicago ..... gal. .299 - —
Cleveland ..... gal. .24½- —
Houston, Tex. ..... gal. .15½- —
Newark ..... gal. .20½- —
New York ..... gal. .20½- —
Philadelphia ..... gal. .21¼- —
Pittsburgh ..... gal. .20 - —
Naphthalene, crude, dom., 74°, tanks, frt. equald..lb. .06¼- —
78°, bgs., c.l., same basis..lb. .07½- .08
bgs., l.c.l., same basis....lb. .07¾- .08¼
tanks, same basis ..... lb. .07 - —
Imp., 78°, bgs., large lots....lb. .04¾- .05
Refd., indust., chipped, crushed, bgs., frt. equald. lb. .12½- —
tanks, same basis ..... lb. .11¾- —
Naphthalene, refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis..lb. .15½- —
cs., 50 lbs., c.l., same basis. lb. .15¾- —
1-lb. pkgs., c.l., same basis. lb. .18½- —
a-Naphthol, bbls., frt. alld.....lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works..lb. .33 - —
bbls., l.c.l., works ..... lb. .35 - —
Naphthol, ITR, red toner, bbls., works..lb. 5.50 - —
1-Naphthol-3,6-disulfonic 8-amino acid (see H acid).
1-Naphthol-4 sulfonic acid (see Nevile and Winther's acid).
1-Naphthol-5-sulfonic acid (see L acid).
1-Naphthol-5-sulfonic 8-amino acid (see S acid).
2-Naphthol-6,8-disulfonic acid (see Gamma acid).
Naphthol sulfonic mixed acid (see Cleve's acid).
a-Naphthylamine, bbls., frt. alld..lb. .50 - —
b-Naphthylamine, tech., flake, bbls., works..lb. 1.60 - —
1-Naphthylamine-5-sulfonic acid (see Laurent's acid).
2-Naphthylamine-4,8-disulfonic acid (see Cassella acid).
2-Naphthylamine-1-sulfonic acid (see Tobias acid).
2-Naphthylamine-6-sulfonic acid (see Broenner's acid).
2-Naphthylamine-7-sulfonic acid (see F acid).
Naringin, fib. dms ..... lb. 8.50 - —
Neatsfoot oil, 15° cold test, dms..lb. .30 - .33
20° cold test, dms ..... lb. .29 - .32
30° cold test, dms ..... lb. .28 - .31
Neocinchophen, USP, dms., frt. adjusted..lb. 7.00 - 8.00
Neomycin sulfate, fib. dms., 1-kilo basis activity..gram. .25 - —
fib. dms., 100-999-gram lots, basis activity..gram. .30 - —
Neroli oil, NF, French, bots. ....lb.550.00 -575.00
Tunisian, bots. ..... lb.400.00 - —
Nerolin, cns. ..... lb. 2.55 - 2.85
Nevile and Winther's acid, dms., frt. alld..lb. 1.30 - —
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd..... lb. .68¼- .75¼
Nickel carbonate, bbls., dlvd....lb. .78¼- .85¼
Nickel chloride, bbls., dlvd..... lb. .37 - .45
Nickel formate, bbls., ton lots, frt. alld..lb. .72 - .73
Nickel metal electro cathodes, cs., works..lb. .74 - —
Nickel nitrate, bbls., works.....lb. .32½- .33¼
Nickel oxide, black, bbls. ..... lb. .85 - —
Green, bbls. ..... lb. .84 - —
Nickel sulfate, bgs., c.l., dlvd....lb. .28 - —
bgs., l.c.l., dlvd ..... lb. .28½- .36
Nicotinamide, USP, dms., frt. adjusted..kilo. 9.50 - 9.80
Nicotinamide hydrochloride, dms., frt. adjusted..kilo. 9.50 - 9.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld..lb. 1.20 - —
40%, manufacturers, 500-lb. dms., frt. alld. lb. 1.05 - —
Nicotinic acid, USP, dms., dlvd..kilo. 8.00 - 8.30
Nicotinic amide, USP (see Nicotinamide).
Niger seed, bgs ..... lb. .10¼- —
Nikethamide, cbys. ..... lb. 5.00 - —

Nitric acid, 38° Be., cbys., c.l., works E...100 lbs. 5.75 - —
cbys., l.c.l., works E....100 lbs. 6.05 - 6.85
38° Be., cbys., c.l., works, E. 100 lbs. 6.25 - —
cbys., l.c.l., works E....100 lbs. 6.55 - 7.35
40° Be., cbys., c.l., works, E. 100 lbs. 6.75 - —
cbys., l.c.l., works, E. ..100 lbs. 7.05 - 7.85
42° Be., cbys., c.l., works, E. 100 lbs. 7.25 - —
cbys., l.c.l., works, E....100 lbs. 7.55 - 8.35
Nitric acid, 58.5 to 60% HNO_3, tanks, works, 100% basis..100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis..100 lbs. 4.90 - —
Nitric acid, CP, NF, consumer, cbys. extra, c.l., works..lb. .18½- —
cbys. extra, l.c.l., works. lb. .20 - —
5-pint bots., extra, cs., c.l., same basis..lb. .22½- —
5-pint bots., extra, cs., l.c.l., same basis..lb. .24 - .25
m-Nitroaniline, cryst., dms., frt. alld..lb. 1.15 - —
Paste, dms., frt. alld., 100% basis. lb. 1.10 - —
o-Nitroaniline, flaked, dms., t.l., frt. alld..lb. .49 - —
dms., l.t.l., frt. alld.....lb. .51 - —
o-Nitroaniline orange toner, kegs, lb. 1.35 - —
p-Nitroaniline, dms., frt. alld....lb. .445 - —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld..lb. .13 - —
dms., l.c.l., frt. alld.....lb. .14 - —
tanks, frt. alld.....lb. .11 - —
p-Nitrobenzoic acid, dms., c.l., works..lb. .63 - —
dms., l.c.l., works.....lb. .64 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175 seconds, bbls., c.l., works..lb. .37½- —
bbls., l.c.l., same basis..lb. .33½- .40¼
Ester-soluble, 18-20 cps., bbls., c.l., same basis..lb. .39½- —
bbls., l.c.l., same basis....lb. .40½- .42½
Nitrocellulose, ester-soluble, 250-400, 600-1,000 seconds, bbls., l.c.l., same basis..lb. .43 - .48
Spirit soluble, 30-35 cps., ¼, ½ seconds, bbls., c.l., same basis. lb. .43 - —
bbls., l.c.l., same basis...lb. .44 - .46
5-6 cps., 40-60 seconds, bbls., c.l., same basis..lb. .42 - —
bbls., l.c.l., same basis.....lb. .43 - .45
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld..lb. .15 - —
dms., l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13 - —
p-Nitrochlorobenzene, dms. .....lb. .26 - .27
Nitroethane, dms., c.l., dlvd. E..lb. .24 - —
dms., l.c.l., dlvd. E.....lb. .24¾- —
tanks, dlvd. E.....lb. .22½- —
Nitroethane prices West of Rockies are 1c. higher.
Nitrogen solutions, tanks, frt. equald..unit. 1.20 - —
Nitrogenous process tankage, bulk, works..unit-ton. 4.00 Nom.
Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works..unit-ton. 3.10 - .50
Nitromethane, dms., c.l., dlvd E..lb. .24 - —
dms., l.c.l., dlvd. E.....lb. .24¾- —
tanks, dlvd. E.....lb. .22½- —
Nitromethane prices West of Rockies are 1c. higher.
a-Nitronaphthalene, bbls., frt. alld. lb. .31 - —
o-Nitrophenol, dms., works, frt. equald..lb. .94 - —
p-Nitrophenol, dms., c.l., frt. alld. lb. .45 - —
dms., l.c.l., frt. alld.....lb. .47 - —
1-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .22½- —
dms., l.c.l., same basis.....lb. .23¼- —
tanks, same basis.....lb. .21 - —
2-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .18½- —
dms., l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .16 - —
Nitropropane prices West of Rockies are 1c. per lb. higher.
o-Nitrotoluene, dms., c.l., frt. alld. lb. .15 - —
dms., l.c.l., frt. alld. .....lb. .16 - —
tanks, frt. alld. .....lb. .13 - —
p-Nitrotoluene, tech., cast, tanks, works..lb. .26½- —
c.l., t.l., dms., same basis lb. .27½- —
l.c.l., dms., same basis....lb. .28 - —
Flake, cl., t.l., works.....lb. .27½- —
l.c.l., dms., same basis....lb. .28 - —
m-Nitro-p-toluidine, dms. .....lb. 1.25 - —
Nonylphenol, dms., c.l., frt. alld. lb. .22 - —
dms., l.c.l., frt. alld.....lb. .23 - —
tanks, frt. alld.....lb. .19½- —
Nonylphenol prices on shipments to Western States are 2c. higher.
Nutgalls, Aleppo, ngs. .....lb. .35 - .38
Chinese, bgs. .....lb. No prices.
Nutmegs, East Indian, whole, bgs. lb. 1.90 - —
West Indian, bgs.....lb. 1.66 - —
Nutmeg oil, USP, dist., East Indian, cns..lb. 11.25 -15.75
West Indian, cns.....lb. 11.25 -15.75
Nux vomica, bls.....lb. .12 - —
Powd., bbls., bxs.....lb. .16 - —

O

Ocher (see iron oxide yellow, nat.).
Ocotea cymbarum oil, dms. .....lb. .30 - .85
Octane, indust., tanks, Bayonne, N.J..gal. .20 - —
Borger, Tex. .....gal. .15¼- —
1-Octanol, tech., dms., c.l., dlvd., Zone 1..lb. .37 - —
dms., l.c.l., dlvd, Zone 1....lb. .39 - —
tanks, dlvd., Zone 1.....lb. .34½- —
Octyl alcohol, perfumers' grade, bots..lb. 1.00 - 2.25
Octyl alcohol, tech. (see 1-Octanol, tech.).
Octyl phenol, bgs., c.l., works..lb. .22 - —
bgs., l.c.l., works.....lb. .22½- —
tanks, works.....lb. .21 - —
Octyl phenol in dms., 1lc. higher.

Oils

Oil quotations are listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

Oiticica oil, liq., dms.....lb. .19 - .19¼
tanks.....lb. .17½- —
Oleic acid, dbl.-dist. (white), dms. lb. .18½- .21
tanks.....lb. .16 - —
Single-dist., dms. .....lb. .17¼- .19¼
tanks.....lb. .14½- —
Olee oil, extra, dms. .....lb. .17 - —
Oleostearine, dms. .....lb. .14 - .14½
Oleum (see Sulfuric acid, fuming).
Olibanum gum, siftings, cs.....lb. .20 Nom.
Tears, cs. .....lb. .22 - .30
Olibanum oil, bots. .....lb. 5.00 - 7.65
Extra fine, bots.....lb. 8.00 - 9.50
Olive oil, edible, dms., spot, duty-paid..gal. 2.35 - 2.45
Olivine, crude, works.....ton. 12.00 - —
20 mesh, works.....ton. 15.00 - —
100 mesh, works.....ton. 20.00 - —
Opium, USP, cns.....oz. 19.20 -19.45
gran., cns. .....oz. 21.65 -21.90
powd., cns. .....oz. 21.65 -21.90
Orange oil, expressed, USP, Brazilian, cns., dms..lb. No stocks.
California, cns., dms.....lb. 1.95 - 2.35
Florida, cns., dms. .....lb. 1.25 - 1.70
Messina, cns. .....lb. 3.85 - 5.85
West Indian, cns., dms....lb. 2.50 - 3.85
Sweet, dist., cns., dms.....lb. .90 - —
Orange peel, bitter, Haitian, bls..lb. .14 - .18
Sweet - .....lb. .30 - .35

Orange Pigments

Orange pigment quotations are listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.

Origanum oil, Spanish, cns.....lb. 1.80 - 2.30
Orris root, Florentine, bls. .....lb. .55 - —
powd., bbls., bxs. .....lb. .68 - —
Verona, bls. .....lb. .33 - .40
powd., bbls., bxs. .....lb. .44 - —
Orthoanisidine (see o-Anisidine).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid, (see o-Chlorobenzoic acid).
Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthocresotinic acid (see 2,3-Creosotic acid).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary amylphenol (see o-tert-Amylphenol).
Orthotolidine (see o-Tolidine base).
Orthotoluidine (see o-Toluidine).
Osage orange, cryst., No. 1, bbls., l.c.l lb. .40 - —
Extract, liq., No. 1, bbls., l.c.l., lb. .19 - —
Ouabain, USP, bots.....gram 3.00 - 4.00
Ouricury wax, crude, bgs.....lb. .78 - .80
Refd., pure, bgs.....lb. .83 - .85
Oxalic acid, bbls., c.l., works..lb. .18½- —
bbls., 10,000-lb. lots, works..lb. .18¾- —
bbls., smaller lots, works..lb. .19¾- —
b-Oxynaphthoic acid, fib dms., 250 lbs. or more, frt. alld., lb. 1.14 - 1.17
Oxyquinolin sulfate, cns., 100-lb. lots, works. lb. 4.75 - 5.00
cns., smaller lots, works.....lb. 4.92 - 5.17

P

Palm oil, clarif., dms.....lb. .14 - .15
tanks.....lb. .1150- —
Palm oil acid, dist., dms.....lb. .15¾- .19¼
tanks.....lb. .13¾- .14¼
Palmarosa oil, cns.....lb. 3.50 - 6.00
Papain, NF, powder.....lb. 8.50 -12.00
Papaverine hydrochloride, nat. or syn., USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
cns., smaller lots.....oz. 5.05 - 5.20
Papaverine sulfate, nat. or syn., USP, cns.,..oz. 7.10 - 7.35
Paprika, Bulgarian, bgs. .....lb. .23 - —
Hungarian, bgs. .....lb. .37 - —
Spanish, bgs. .....lb. .37 - .47
Yugoslavian, bgs. .....lb. .36 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid)
Parachlorobenzoic acid (see p-Chlorobenzoic acid).
Paramethylphenylcinchonic acid (see Neocinchophen).

ADD LONGER FLOOR LIFE TO YOUR POLYMER FINISH
...BY ADDING ONE OF THESE NEW BARECO WAXES
C-6500, C-7500

SPECIFICATIONS

	C-6500	C-7500
Acid Number	10-13	10-13
Saponification Number	30-40	25-30
M.P., ASTM D938-48, °F.	190-195	195-200
M.P., ASTM D127-49, °F.	200-210	205-215
Pen. 100/5, ASTM D1321-58T	1-3	1-3
Color, RPA	4 max.	2 max.

The new BARECO Synthetic Waxes, C-6500 and C-7500, will help make a harder, tougher, longer-lasting floor finish when added to your polymer emulsion.

They will also introduce into your product a characteristic normally available only in wax finishes—*a finish that can be buffed!*

These new BARECO Waxes are easy to emulsify, are light in color and won't "age" on the floor. And, of course, like all BARECO waxes, they offer you dependable domestic supply, consistent quality and price stability.

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A DIVISION OF PETROLITE CORPORATION
SALES OFFICE P.O. Box 2000 Tulsa, Oklahoma

Paranitrobenzoic Acid—Phloxin Red Toner

Paranitrobenzoic acid (see p-Nitrobenzoic acid).
Paratoluidinemetasulfonic acid (see p-Toluidine m-sulfonic acid).
Para-aminophenol (see p-Aminophenol).
Parachloro-orthonitroaniline (see 4-Chloro-2 nitroaniline).
Para-anisidin (see p-Ansidine).
Parachloraniline (see p-Chloraniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls. ..... lb. 1.21 • —
Chlorinated, kgs. ..... lb. 1.35 • —
Paraffin, crude, scale, white, 123°-127°F, ASTM, tanks, refy. lb. .0710- —
Paraffin, fully refd., 122°-124°F, ASTM, tanks, refy lb. .0815- —
125°-127°F, ASTM, tanks, refy. lb. .0815- —
130°-132°F., ASTM, tanks, refy. lb. .0815- —
132°-134° F., ASTM, tanks, refy. lb. .0815- —
135°-137°F., ASTM, tanks, refy. lb. .0815- —
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraffin oil, pale, 100-110 vis. at 100°F., tanks, east coast refy. gal. .14 • —
Paraffin wax (see Paraffin).
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld lb. .0955- —
bgs., l.c.l., frt. alld ..... lb. .1155- .1256
91%, powd., bgs. c.l., ex whse. lb. .167 • —
bgs., l.c.l., ex whse ..... lb. .182 • —
USP-X, fib. dms., c.l. ..... lb. .19 • —
fib. dms., 1,000-lb. lots ..... lb. .20 • —
fib. dms., smaller lots ..... lb. .21½- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd. lb. .14 • —
55-gal. dms., l.c.l., dlvd. lb. .15 • —
tanks, dlvd. ..... lb. .11½- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene.
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, ethyl, dms., t.l., frt alld. lb. .84 • —
dms., l.t.l., frt. alld ..... lb. .87 • —
Parathion prices 2c. per lb. higher in West.
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld lb. .45 • —
Passion flower herb, bls. ..... lb. No stocks.
Patchouli oil, dms. ..... lb. 4.00 - 5.75
Peach kernel oil, USP (see Apricot kernel oil).
Peacock blue, fugitive, 100% color strength, 250-lb., bbls., dlvd. E. of Rockies. lb. 1.00 • —
Peacock blue price 1c. higher W. of Rockies.
Peanut meal, 45%, old process, bgs., mills. ton.62.00 • —
Peanut oil, crude, tanks, f.o.b. mills. lb. .13 • —
Refd., dms. ..... lb. .18½- .18¾
tanks ..... lb. .16½- —
Pectin, dom., NF, citrus, powd., bbls. dlvd. lb. 2.05 - 2.06
tech., powd., 150 jelly grade. lb. 1.28 • —
Imp., Danish, ex whse. ..... lb. 1.28 • —
Penicillin potassium, cryst., bulk, 1,000,000 units. .04750- .0550
Penicillin, procaine, bulk 1,000,000 units. .050 - .0550
Penicillin, sodium, bulk 1,000,000 units. .0550- .060
Pennyroyal oil, USP, imported, cns. lb. 3.30 - 3.10
Pentachlorophenol, bgs., c.l., t.l., works, frt. equald. lb. .21 • —
bgs., l.c.l., same basis ..... lb. .22½- .29
Pentachlorophenol in dms. 1c. higher.
Pentaerythritol, tech., bgs., c.l., dlvd. lb. .29½- —
bgs., l.c.l., dlvd. ..... lb. .30½- —
Pentaerythritol, di- and tri- isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, indust., tanks, Tex. refy. gal. .14 • —
Pentobarbital, dms., 100 lbs. or more. lb. 6.00 • —
Pepper, black, Malabar, bgs. ..... lb. .24 • —
black, Lampong, bgs. ..... lb. .23¾- —
black, Sarawak, bgs. ..... lb. .23½- —
Pepper, red, Funtuas, bgs. ..... lb. .30 • —
Gondara, bgs. ..... lb. .30 • —
Japanese, Hontaka, bgs. ..... lb. .25 • .25½
Santaka, bgs. ..... lb. .24 • —
Sudanese, bgs. ..... lb. .36 • —
Zanzibar, bgs. ..... lb. .43 • —
White, Muntok, bgs. ..... lb. .39½- —
Peppermint leaves, dom., USP, bls., dms. lb. .70 • .75
Imp., USP., bls. ..... lb. .85 • —
Peppermint oil, nat., dms. ..... lb. 3.90 • 4.60
Redist, USP, dms. ..... lb. 4.00 - 5.05
Perchloroethylene, dms., c.l. or t.l., dlvd. lb. .13½- —
dms., l.c.l., dlvd. ..... lb. .15¼- —
tanks, dlvd. ..... lb. .11¾- —
tanktruck, 1,000 gal. min. dlvd. lb. .12¼- —
Peri acid, dry bbls., frt. alld. ..... lb. 1.60 • —
Paste, bbls., frt. alld. ..... lb. 1.30 • —
Peru balsam, dms. ..... lb. 1.30 - 1.95
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil, South American, cns., dms. lb. 2.40 - 2.95
Petrolatum, cream, dms., c.l., refy. lb. .07¾- —
dms., l.c.l., dlvd. ..... lb. .10½- —
tanks, refy. ..... lb. .05½- —
Petrolatum, extra amber, dms., c.l., refy. lb. .06¾- —
dms., l.c.l. dlvd. ..... lb. .09¼- —
tanks, refy. ..... lb. .04½- —
Lily white, dms., c.l., refy. lb. .08¼- —
dms., l.c.l., dlvd. ..... lb. .10½- —
tanks, refy. ..... lb. .05½- —
USP, snow white, dms., c.l., refy. lb. .08¾- —
Petrolatum, USP, snow white, dms., l.c.l., dlvd. lb. .11 • —
tanks, refy. ..... lb. .06¾- —
USP, soft yellow, dms., c.l., refy. lb. .06¾- —
dms., l.c.l., dlvd. ..... lb. .09¼- —
tanks, refy. ..... lb. .04½- —
Petroleum pitch (see Asphalt, petroleum).

Petroleum Products

Petroleum product quotations are listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works. lb. .16½- .18¾
non-ret. dms., l.c.l., works. lb. .17½- .19
tanks, works ..... lb. .14½- .17
50-55%, sulfonic content, non-ret. dms., c.l., works. lb. .16 • —
non-ret. dms., l.c.l., works. lb. .17 • —
tanks, works ..... lb. .13 • —
o-Phenetidine, dms. c.l., frt. alld. E. lb. .91 • —
dms., l.c.l., same basis. ..... lb. .93 • —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.05 • —
dms., same basis. ..... lb. 1.08 • —
Phenobarbitol, USP, dms., 100-lb. lots. lb. 3.25 • —
Phenobarbital-Sodium (see sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%), non-ret. dms., frt. alld. E of Rockies. lb. .17½- —
non-ret. dms., l.c.l., same basis. lb. .18½- —
tanks, same basis ..... lb. .15½- —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis. lb. .17 • —
non-ret. dms., l.c.l., same basis. lb. .18 • —
tanks, same basis. ..... lb. .15 • —
39°C. or above, tar distilled non-ret. dms., c.l., same basis. lb. .19 • —
non-ret. dms., l.c.l., same basis. lb. .20 • —
tanks, same basis. ..... lb. .17 • —
Phenol, USP, syn., dms., c.l., t.l., frt. alld. lb. .19½- —
dms., same basis ..... lb. .21½- —
tanks, same basis ..... lb. .17½- —
Phenolphthalein, USP or yellow, fib. dms., 2,000-lb., lots. lb. 1.30 - 1.32
fib. dms., smaller lots. ..... lb. 1.32 - 1.37
Phenothiazine drench, fib. dms., t.l., dlvd. lb. .44 • —
fib. dms., l.t.l., same basis. lb. .47 • —
NF, fib. dms., t.l., same basis. lb. .43 • —
fib. dms., l.t.l., same basis. lb. .46 • —
Phenyl acetate, dms., 100-lb. lots, works. lb. .50 • —
Phenyl salicylate (see Salol).
Phenylacetaldehyde, soln., 50%, bots. lb. 2.95 • —
100%, bots. ..... lb. 4.00 - 4.65
Phenylacetic acid, pure, cryst., cns. lb. 1.25 - 1.75
dl-Phenylalanine, dms. works. ..... lb. 27.00 -37.50
l-Phenyl-3-carbethoxy pyrazolone-5, fib. dms. 200-lb. lots dlvd. E. lb. 3.45 • —
fib. dms., smaller lots, dlvd. E. lb. 3.80 • —
N-Phenyldiethanolamine, dms., c.l., dlvd. E. lb. .41 • —
dms., l.c.l., dlvd. E. ..... lb. .42½- —
tanks, dlvd. E. ..... lb. .38½- —
m-Phenylenediamine, dms., frt. alld. lb. 1.10 • —
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib. dms., works. lb. 1.70 - 1.80
p-Phenylenediamine, refd., dms., works. lb. 1.42 • —
Tech., dms., works. ..... lb. 1.40 • —
Phenylethanolamine, dms., c.l., works. lb. .75½- —
dms., l.c.l., same basis. ..... lb. .77 • —
Phenylethyl acetate, bots. ..... lb. 1.50 - 1.60
b-Phenylethylamine, dms., 1,000-lb. lots, works. lb. 1.10 • —
dms., smaller lots works. ..... lb. 1.15 - 1.40
2-Phenylethyl alcohol, extra, dms. lb. 1.14 - 1.50
Standard, dms. ..... lb. 1.10 - 1.60
Phenylglyconic acid (see Mendelic acid).
Phenylhydrazine, 97%, 450-lb. dms. lb. 1.45 • —
1-Phenyl-3-methyl pyrazolone-5, fib. dms., 250-lb. lots, dlvd. E. lb. 1.80 • —
fib. dms., smaller lots, dlvd. E. lb. 2.10 • —
Phenylethylphenyl acetate, bots. lb. 4.00 - 4.25
o-Phenylphenol, dms., l.c.l., works. lb. .48 • .50
p-Phenylphenol, bgs., c.l., works. lb. .38½- —
bgs., l.c.l., works ..... lb. .43 • —
Philippine copal gum, pale, chips, bgs. lb. .23¾- .26
nubs, bgs. ..... lb. .33¼- .37
seeds, bgs. ..... lb. .20 Nom.
sorts, bgs. ..... lb. .22¾- .25
Phloroglucinol, coml., fib. dms., works. lb. 6.40 • —
CP, bots., works. ..... lb. 17.75 • —
Tech., fib. dms., works. ..... lb. 10.45 • —
Phloxin red toner (see Eosin red toner).

MAJOR SOURCE OF ALUMS

Paper manufacturing	●			●	●
Water purification		●	●	●	●
Flame proofing		●	●	●	
Textile manufacturing	●	●	●		
Pharmaceuticals	●	●	●		
Chemistry	●	●	●	●	●
Boiler compounds		●	●	●	
Metal pickling		●	●	●	
Photography	●	●			
Tanning	●	●	●	●	
Aluminum soaps	●			●	

Major uses of Stauffer Alums, and the types of Alum commonly used for these purposes are shown at left. For these and an additional score or more of highly specialized uses, Stauffer supplies alums of highest purity, both solid and liquid; the solids in many grades, from powder to lumps of one to four inches in size.

ALUM LIQUOR
ALUMINUM SULFATE
AMMONIUM ALUM U.S.P.
POTASSIUM ALUM U.S.P.
ALUMINUM SULFATE "IRON FREE"

Stauffer's alum products are shipped from plants in Bastrop and Springhill, La., and from Houston, San Francisco, Tacoma and No. Portland, Ore. Alum liquor of both commercial and iron-free grades is shipped in rubber-lined tank cars and tank trucks. Send for complete detailed catalog.

STAUFFER CHEMICAL COMPANY

380 Madison Avenue, New York 17, New York
636 California Street, San Francisco 8, Calif.

Consolidated Chemical Industries Division
6910 Fannin Street, Houston 25, Texas

Stauffer CHEMICALS SINCE 1885

Phosgene, ref. cyls., works ..... lb. .15½- —
Phosphate defluorinated (see under D).
Phosphate rock, Curacao, Atlantic ports, New Orleans ..ton.48.00 - —
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 66-68%, b.p.l., bulk, c.l., mines, long-ton. 5.16 - —
68-70%, b.p.l., bulk, c.l., same basis ..long-ton. 5.56 - —
70-72%, b.p.l., bulk, c.l., same basis ..long-ton. 6.21 - —
74-75%, b.p.l., bulk, c.l., same basis ..long-ton. 7.21 - —
76-77%, b.p.l., c.l., bulk, same basis ..long-ton. 8.21 - —
Above Florida prices are based on fuel oil at $2.37 per bbl. and labor at $1.52.
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald ..100 lbs. 7.00 - —
cbys., l.c.l., same basis, 100 lbs. 7.25 - 7.75
tanks, t.w., works ...100 lbs. 5.60 - —
80%, cbys., c.l., frt. equald ..100 lbs. 7.85 - —
cbys., l.c.l., works ..100 lbs. 8.10 - 9.35
tanks, t.w., works ...100 lbs. 6.00 - —
NF, 85%, cbys., c.l., works, 100 lbs. 8.50 - —
cbys., l.c.l., works ....100 lbs. 8.75 - 9.00
tanks, t.w., works ....100 lbs. 6.65 - —
Phosphorus, amorph., red, dms., t.l., works lb. .55 - —
dms., smaller lots, works lb. .56 - .57
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
dms., l.c.l., works, frt. equald lb. .21½- —
tanks, works, frt. equald lb. .19 - —
Phosphorus oxychloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .12½- —
Phosphorus pentasulfide, powd., dms., c.l., works lb. .13½- —
dms., l.c.l., works ..... lb. .14½- .15½
Solid, dms., c.l., works..... lb. .11½- —
dms., l.c.l., works ..... lb. .12½- .13½
Phosphorus pentoxide, dms., c.l., works ..lb. .1395- .1450
dms., l.c.l., works ..... lb. .1550- .1650
Phosphorus sesquisulfide, dms., cs., c.l., works lb. .38 - —
dms., l.c.l., works ..... lb. .39 - .40
Phosphorus trichloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .12½- —
Phthalic anhydride, bgs., c.l., works, frt. equald ..lb. .21 - —
bgs., l.c.l., same basis ..... lb. .22 - —
tanks, same basis ..... lb. .20½- —
Phthalimide, 97-98%, dms., frt. alld lb. .65 - —
Phthalocyanine blue, full strength, bbls., dlvd. E. of Rockies lb. 2.90 - —
Resinated, bbls, same basis ... lb. 2.75 - —
Water dispersable, bbls., same basis lb. 1.52 - —
Pythalocyanine blue prices 1c. higher W. of Rockies.
Phthalocyanine green toner, bbls., works lb. 3.35 - —
Phthalocyanine green toner, resinated, bbls lb. 3.00 - —
Water dispersable, bbls. ..... lb. 1.71 - —
Phthalocyanine green prices 1c. higher W. of Rockies.
Phthalylsulfacetamide, fib. dms., 1,000-lb. lots or more lb. 5.00 - —
NF, fib. dms. ..... lb. 5.20 - —
a-Picoline, dms., c.l., works, frt. equald lb. .43 - .43½
dms., l.c.l., works, frt. equald lb. .44 - —
tanks, same basis ..... lb. .415 - .422
b.g-Picoline, 5°C. dms., c.l., works. lb. .32½- —
dms., l.c.l., works ..... lb. .33 - —
g-Picoline, tanks, f.o.b., works lb. 1.50 - —
dms., t.l., same basis..... lb. 1.60 - —
Picric acid, NF, bbls. ..... lb. .85 - —
Tech, bbls. ..... lb. .44 - —
Pigment green B, kgs. ..... lb. 1.45 - —
Pilocarpine hydrochloride, USP bots oz. 4.75 - 5.25
Pilocarpine nitrate, USP, bots., vials, oz. 4.65 - 4.75
Pimento, Jamaican, bgs. ..... lb. .65 - —
Mexican, bgs. ..... lb. .49½- —
Pimento berry oil, NF, dms. ... lb. 3.75 - 9.25
Pimento leaf oil, cns..... lb. 1.90 - 2.40
Pine oil, dest.-dist., dms., t.c.l. works lb. .15 - —
dms., t.c.l. ex whse. New York, lb. .173 - —
Steam-dist., dms. ex whse. New York lb. .185 - —
dms., dlvd. ..... lb. .188 - —
Pineneedle oil, Siberian (see Abies Siberica oil)
Pinetar oil, coml., dms., c.l., works, lb. .0561- —
dms., l.c.l., works..... lb. .0634- —
dms., c.l., ex whse. New York, lb. .0745- —
tanks, works ..... lb. .046 - —
Rectified, NF, dms., included, t.c.l., works, South lb. .40 - —
dms., incl. t.c.l., ex whse., New York lb. .41½- —
Refd., dms., incl., t.c.l., works lb. .35 - —
dms., incl. t.c.l., ex whse. New York lb. .36½- —
Pink root, bls. ..... lb. 2.50 - —
Piperazine, dry, dms., t.l., frt. alld, lb. 1.95 - —
dms., t.c.l., same basis ..... lb. 2.00 - —
Piperazine citrate, 36%, dms., t.l., frt. alld lb. 1.07 - —
dms., t.t.l., same basis ..... lb. 1.09 - —
Piperazine hexanydrate, 44%, dms., frt. alld lb. .88 - —
dms., t.t.l., same basis ..... lb. .90 - —
Piperidine, dist., 98% min., dms., frt. equald lb. 2.70 - —
Piperonyl butoxide, dms., dlvd. E.lb. 4.50 - 5.05

Pitches

Pitch quotations are listed individually. For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).
Platinum metal, works..... lb.51.00 -55.00
Pleurisy root, bls. ..... lb. .45 - .50
Podophyllum resin, NF, dms. .... lb.15.60 -16.10
Poke root, bls. ..... lb. .19 - .22
Polymyxin, bulk, bots., 50 billion units or more 1,000,000 units. .52 - —
Polymyxin, bulk, bots., 25-50 billion units 1,000,000 units. .54 - —
bulk, bots., 1-25-billion units. 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms. 20,000-lb. lots, works lb. .42 - —
dms., 10,000-20,000-lb. lots, works lb. .44 - —
dms., smaller lots, works ..... lb. .47 - .49
Pontianak copal gum, chips, bgs. lb. .26 - —
Nubs, bgs. ..... lb. .37 - .40
Poppy seed, Argentine, bgs. .... lb. No stocks.
Dutch, bgs. ..... lb. .22 - —
Danish, bgs. ..... lb. .19¼- —
Polish, bgs. ..... lb. .33 - —
Turkish, bgs. ..... lb. .19¾- —
Potash, caustic, liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
dms., l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis ..... 100 lbs. 3.70 - —
Flake, 88-92%, dms., c.l., same basis 100 lbs. 9.15 - —
dms., l.c.l., same basis 100 lbs.10.20 - —
Solid, 88-92%, dms., c.l., works, 100 lbs. 8.70 - —
dms., l.c.l., works ...100 lbs. 9.75 - —
Potassium acetate, NF, dms. ... lb. .31 - .36
Potassium bicarbonate, USP, gran. dms. lb. .22 - —
USP, powd., dms. ..... lb. .24 - —
Potassium bichromate, gran., bgs., c.l., t.l., works lb. .18 - —
bgs., l.c.l., works ..... lb. .18½- .19¾
Potassium bichromate in dms., ½c. higher.
Potassium bitartrate, dom., NF, gran. or powd., dms., c.l lb. .40 - —
dms., 5,000 lbs., 1 shipt.lb. .40½- —
dms., smaller lots ... lb. .41 - .43
Imp., NF, gran. or powd., kgs.lb. .30 - .34
Potassium bromate, dms., 1,000-lb. lots or more, works lb. .50 - —
dms., smaller lots, works ..... lb. .52 - .62
Potassium bromide, USP, gran., bbls., kgs lb. .39 - .40
Potassium carbonate, dom., NF, gran., bbls., dms. lb. .30 - —
Potassium carbonate, dom., tech., powd., bbls., dms. ..... lb. .31 - .32
calcined, bgs., c.l., works..100 lbs. 8.50 - —
bgs., l.c.l., same basis.100 lbs. 9.55 - —
Potassium carbonate, hydrated, 83-85%, bgs., c.l., works, 100 lbs. 7.10 - —
bgs., l.c.l., works....100 lbs. 8.15 - —
Potassium chlorate, cryst., dms., c.l., works. lb. .12¼- —
dms., l.c.l., works..... lb. .13½- .14½
Powd., dms., c.l., works..... lb. .12¾- —
dms., l.c.l., works..... lb. .14 - .15
works lb. .12¼- —
Potassium chlorate, NF, cryst., dms., 2,000 lbs. or more, works, lb. .16¾- —
gran., 25-lb. metal dms. ..... lb. .36 - —
powd., dms., 2,000 lbs. or more, works lb. .17¼- —
Potassium chloride, agricultural (see Potassium muriate)
Indust., 99.9% KCL, bulk, c.l., works ..ton.29.00 - —
bgs., c.l., works ..... ton.33.50 - —
99.3% KCL, bulk, c.l., works.ton.27.00 - —
bgs., c.l., works ..... ton.31.50 - —
USP, cryst., dms. ..... lb. .20 - .22
gran., dms. ..... lb. .21 - .23
powd., dms. ..... lb. .24 - .26
Potassium chromate, tech., bgs. ..lb. .50 - .50¼
Potassium citrate, USP, gran., dms. lb. .43 - —
powd., dms. ..... lb. .40½- .41¼
Potassium cyanide, dms. 20,000-lb. lots or more, works lb. .42½- —
Potassium cyanide, dms., 2,000-19,999-lb. lots, works lb. .43 - —
dms., smaller lots, works ..... lb. .44 - .44¼
Potassium dichromate (see Potassium bichromate)
Potassium ferricyanide, dms., ton lots, works lb. .50 - —
dms., smaller lots, works ..... lb. .65 - —
Potassium ferrocyanide, dms., ton lots lb. .24½- —
dms., smaller lots ..... lb. .29 - —
Potassium fluoborate, fib. dms., c.l., works lb. .30 - —
fib. dms., l.c.l., works ..... lb. .31 - —
Potassium fluoride, dms., works lb. .37 - .38
Potassium gluconate, dms. ..... lb. 1.67 - —
Potassium guaiacol sulfonate, NF, dms. lb. 2.10 - 2.30
Potassium hydroxide, tech. (see Potash caustic).
Potassium hydroxide, USP, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .33½- .38
Potassium hypophosphite, NF, fib. dms., 1,000-lb. lots lb. 1.38 - —
Potassium iodide, USP, cryst., or gran. lb. 1.40 - —
Potassium manure salt, 22% K_2O, bulk, c.l., works unit-ton. .17 - .1763

HOW to give better service to shellac users!

Shellac is big business at the Mantrose Attleboro, Massachusetts plant ... 150,000 sq. ft. of modern manufacturing facilities devoted to producing superior shellac products for industry and home.

QUALITY... RESEARCH... PRODUCTION... INTEGRITY... **These are the "secret ingredients" in every Mantrose shipment that insure the truly finer service our customers have learned to expect.**

QUALITY starts with the raw lac imported from India ... and the rigid controls under which it is processed. For close to four decades, the Mantrose Corporation has held true to its pledge to produce the finest bleached shellac available anywhere ... with uniformity of product you can depend upon, batch after batch.

RESEARCH backs up the Mantrose pledge with scientific quality control ... with improvements that further enhance the innate superiority of natural shellac. If you have a shellac problem, or require a product tailored to your individual requirements ... consultants from the Mantrose Laboratories are at your service.

PRODUCTION FACILITIES must also be modern, efficient. Our recently acquired Attleboro plant keeps step with growing demand for Mantrose products ... insures prompt deliveries for our customers' normal and emergency needs.

But surely the most important test of real service is Integrity. It has earned the confidence of our customers, which made Mantrose growth possible. It is an asset we guard most carefully ... for only by sincere service can we continue to earn this trust.

The Mantrose Corporation

ESTABLISHED 1919 — IMPORTERS • BLEACHERS • MANUFACTURERS

ONE HANSON PLACE, BROOKLYN 17, NEW YORK • ATTLEBORO, MASSACHUSETTS

Potassium Metabisulfite—Sodium Hyposulfite

Potassium metabisulfite, gran., dms. lb. .16 - —
Powd., dms. lb. .27 - —
Potassium muriate, standard, bulk, c.l., works unit-ton. .34½- .36½
bagged, 60% minimum K.O. same basis ton.25.60 -27.60
Gran., bulk, c.l., works unit-ton. .35 - .37
bagged, 60% minimum K.O. same basis ton.25.90 -27.10

Inside prices apply to material contracted for prior to July 1, 1958.

Outside prices apply to material contracted for after that date but also for delivery during the current month.

Potassium nitrate, NF, cryst., bbls., 20-ton lots 100 lbs.17.00 - —
bbls., smaller lots 100 lbs.18.00 -19.00
gran., bgs., 20-ton lots 100 lbs. 9.50 - —
bgs., smaller lots 100 lbs.11.00 -12.00
powd., bgs., 20-ton lots 100 lbs.10.50 - —
bgs., smaller lots 100 lbs.12.00 -13.00
Potassium oxalate, neutral, tech., fine gran., bbls., dms lb. .32 - .34
Potassium pentaborate, gran., dms., c.l., works ton.219.50 - —
dms., ton lots, ex whse. ton.311.00 - —
dms., smaller lots, ex whse ton.316.00 - —

Powdered potassium pentaborate $10 per ton higher.

Potassium perchlorate, dms., c.l., works lb. .18½- —
dms., l.c.l., works lb. .19 - .20
Potassium permanganate, coml., kgs., works lb. .26 - .29
USP, dms., works lb. .29¼- .31
Potassium persulfate, dms., c.l., works lb. .17½- —
dms., l.c.l., works lb. .18 - .21
Potassium pyrophosphate, tetrabasic, dms., works lb. .15½- .18½
Potassium prussiate red (see Potassium ferrocyanide).
Potassium prussiate yellow (see Potassium ferro-cyanide).
Potassium silicate, electrical grade, 30° Be, 1:2.0, dms., c.l., works 100 lbs. 6.50 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works, 100 lbs. 5.95 - —
dms., l.c.l., 5 dm. lots or more works 100 lbs. 6.70 - —
tanks, works 100 lbs. 5.60 - —
Potassium silicate, glass grade, bgs., c.l., works 100 lbs.17.30 -18.15
bgs., l.c.l., works 100 lbs.17.80 - —
Soln., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.95 - —
dms., l.c.l., 5-dm. lots or more, works 100 lbs. 5.70 - —
tanks, works 100 lbs. 4.60 - —
Potassium silicofluoride, bgs., works lb. .09½- .10

Potassium silicofluoride in drums, 0.4c. per lb. higher.

Potassium stannate, dms., frt. alld., E lb. .750 - .823
Potassium sulfate, agricultural, bulk, c.l., works unit-ton. .67½- .69½

Inside price applies to tonnage contracted for prior to July 1, 1958.

Outside price applies to tonnage contracted for after that date but also for delivery during the current month.

Potassium sulfate, NF VII, cryst., dms lb. .31 - .33
Gran., dms. lb. .18½- —
Powd., dms. lb. .16 - 17
Potassium sulfocyanate, NF, cryst. (see Potassium thiocyanate).
Potassium thiocyanate, NF, cryst., dms., works lb. .95 - .98
Tech., dms., works lb. .77 - .79
Potassium titanate, ctns., c.l., works, lb. .16¼- —
ctns., 5-ton lots, works lb. .16½- —
ctns., 1-ton lots or less, works lb. .16¾- —
Potassium-magnesium sulfate, basis 40%K_2SO_4 and 18% MgO, bulk, works, base price ton.13.45 - —
bulk, works, July forward ton.14.00 - —
Potassium-sodium tartrate, NF, gran. or powd., dms., f.o.b. works lb. .42½- —
dms., 5,000-lb. lots, same basis lb. .43 - —
dms., smaller lots, same basis lb. .43½- .49
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
fib. dms., l.c.l., works lb. .52½- .55
Potato starch (see Starch, potato).
Pregnenolone, bots. gram. No prices
Pregnenolone acetate, bots. gram. No prices
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld lb. 2.60 - —
dms., 100-500 lb. lots lb. 2.95 - 3.15
Progesterone, USP, bots. gram. No prices.
Progesterone acetate, bots. gram. No prices.
Propane, indust., tanks, group 3 gal. .05 - —
tanks, Baton Rouge gal. .05375- —
tanks, New York harbor gal. .1005- —

(¼c. discount offered).

Propenyl guaethol, dms. lb.24.30 -27.00
Propionic acid, syn., pure, dms., c.l., works lb. .23¼- —
dms., l.c.l., works lb. .24¼- —
tanks, works lb. .20¾- —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾- —
dms., l.c.l., dlvd. lb. .16¼- —
tanks, dlvd. lb. .12¼- —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - —
dms., l.c.l., dlvd. lb. .15½- —
tanks, dlvd. lb. .11½- —
n-Propyl gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
n-Propyl-p-hydroxybenzoate, USP, dms lb 2.30 - 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo.55.00 - —
bots., smaller lots kilo.55.10 -55.30
n-Propylamine, dms., c.l., dlvd lb. 1.24 - —
dms., l.c.l., same basis lb. 1.255 - —
Propylene dichloride, consumers' dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis lb. .0950- —
tanks, same basis lb. .07 - —

Propylene dichloride prices in West 1c. higher, same basis.

Propylene glycol, indust., dms., c.l., dlvd. E lb. .16 - —
dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½- —
USP, dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .15½- —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylene oxide, dms., c.l., dlvd. E. lb. .18 - —
dms., l.c.l., dlvd. E lb. .19 - —
tanks, dlvd. E lb. .15½- —
Psyllium seed, black, bgs. lb. .32 - .34
Blonde, bgs. lb. .16 - .18
Husks, bgs. lb. .37 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03⅝- .04⅛
bgs., smaller lots lb. .03⅞- —
Imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs ton.60.00 - —
fine, bgs. ton.60.00 -70.00
Pumpkin seed, bgs. lb. .25 - .26
Pyrethrins, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .43 - —
Powd., 1.3% pyrethrins bbls., works lb. .65 - —
Pyrethrum liquid, 20/1 basis (2 grams pyrethrins per 100cc odorless base, dms., works gal. 8.75 - 8.95
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal.41.75 -42.75
Pyrethrum oleoresin, dewaxed, 20% dms., works lb.10.00 - —
purif. 20% dms., works lb.10.00 -10.10
Pyridine, denat., dms. c.l., works and frt. equald gal. 2.77 - —
dms. l.c.l., same basis gal. 2.80 - —
Refd., 2° non-ret. dms. l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 500-gram lots or more kilo.218.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 - 6.00
Pyrocatechol (see Catechol)
Pyrogallic acid, NF (see Pyrogallol).
Pyrogallic acid, tech., bbls. lb. 3.17 - 3.23
Pyrogallol, NF, 100 lb. dms. lb 3.50 - —
Pyroxylin, USP, bots. lb. 9.50 - —

Q

Quassia chips lb. .17 - —
Quebracho extract, clarified, grd., 70% tannin, bgs., works lb. .16½- .17
Clarified, liq., 35% tannin, bbls., works lb. .08¼- .08½
Solid, 64% tannin, bgs., c.l., ex dock lb. .108718- —
Ordinary, solid, 63% tannin, bgs., c.l., same basis lb .099228- —
Quercetin, fib. dms. kilo lots kilo.26.40 - —
Quercitron extract, cryst., No. 1, bbls., l.c.l lb. .40 - —
Liq., No. 1, bbls., l.c.l lb. .19 - —
Quicksilver (see Mercury metal)
Quince seed, bgs lb. 1.15 - 1.50
Quinidine sulfate, USP, cns., 1,000-oz. lots oz. .74½- .75
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Quinine bisulfate, USP, cns., 100-oz. lots oz. .28 - .29
Quinine hydrochloride, cns., 1,000-oz. lots oz. .32 - —
Quinine sulfate, USP, cns., 1,000-oz. lots oz. .27½- .29
Quinoline, dms., c.l., frt. equald lb. .50¾- —
dms., l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, dms. frt. alld., 100% basis lb. .88 - —
Powd. frt. alld. 100% basis lb. .98 - —
Rapeseed oil, dms lb. .16 - .16½
tanks lb. .14½- —
Rare earth oxalate, 45-50%, bgs., works lb. 1.00 - —
Rauwolfia serpentina root, powd., bbls., dms lb. 1.00 - —
Red carmine, No. 40 (see Carmine).
Red oil (see Oleic acid)

Red Pigments

Red pigment quotations are listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red precipitate (see Mercuric oxide, red).
Red, saunders, NF, powd., bbls lb. .35 - .40
Reserpine, cryst., bots gram. 1.25 - —
Resorcinol, tech grade, dms., c.l., works, frt. equaid lb. .77½- —
dms., l.c.l., same basis lb. .78½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root, bgs. lb. .15 - .16
Rhodamine red toner, molybdated, PMA, kgs lb. 6.00 - —
Tungstated, PTMA, works, kgs lb. 6.60 - —
Rhodinol, 5-lb. cans lb.43.00 -46.00
Synthetic lb.14.00 -16.00
Rhubarb root, India, whole, bgs lb. .30 - —
powd., bgs. lb. .38 - —
Riboflavin, USP, fib. dms., kilo or more dlvd kilo.40.00 - —
USP, readily soluble, bots., dlvd. kilo.130.00 - —
Riboflavin, 5-phosphate-sodium, fib. dms., kilo or more dlvd. kilo.107.50 - —
Rice bran oil, clarified, dms., l.c.l. lb. .15½- —
tanks, dlvd. E lb. .13½- —
Rice starch (see Starch rice).
Ricinoleic acid (see Castor oil acids split).
Rochelle salt (see Potassium-sodium tartrate).
Roofing pitch (see Coaltar pitch roofing).
Rose oil, nat., Bulgarian, bots oz.72.00 - —
Turkish, bots. oz.55.00 -58.00
Rosemary oil, Spanish, NF, cns., dms lb. 1.00 - 1.35
tech., cns., dms. lb. .50 - 1.20
Rosin, gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, tech. dms., works, unit-lb. .12 - —
Resin, 25-45%, fib. dms., works, unit-lb. .12 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03¾- —
bgs., ton lots same basis lb. .04¼- —
Rubber solvent, petroleum, tanks, Calif. ex tax, San Francisco gal. .178 - —
tanks, east coast, N. J., N. Y. gal. .19 - —
tanks, group 3 gal. .13875- —
Rue oil, bots. lb. 2.75 - 3.00
Rutin, NF, fib. dms., 10 kilo lots kilo.16.50 - —
fib. dms., 5 kilo lots kilo.17.00 - —
fib. dms., 1 kilo kilo.18.00 - —
Ryania, 100%, powd., bgs., c.l., works lb .22 - —
bgs., l.c.l., same basis lb. .24 - —

S

S acid, bbls., works lb. 3.25 - —
Sabadilla seed, activated, ground with lime, bbls lb. .42 - .44
Saccharin, calcium, fib. dms., 1,000-lb. lots, works lb. 2.50 - —
USP, gran., soluble, dms., 1,000-lb. lots lb. 1.60 - —
dms., smaller lots lb. 1.70 - 1.80
Saccharin, USP, powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.65 - —
dms., smaller lots lb. 1.75 - 1.95
Safflower oil, dms., New York tanks, Atl. Coast lb. .1785- .1825
lb. .1585- —
Safrol, dms. lb. .80 - .93
Saffron, Mancha Superior, tins lb.34.00 - —
Sage, Dalmatian, bgs. lb. .36 - .40
Greek, cns. lb. .14 - —
Italian, cns. lb. .15 - —
Sage oil, clary, bots. lb.25.00 -32.00
Dalmatian, cns. lb. 3.70 4.00
Spanish, cns. lb. 1.25 - 1.45
Sago flour, raw bgs. lb. .07 - .07¼
Refd., bgs. lb. .09 - .09¼
Sal soda (see Soda sal).
Salicylaldehyde, dms., c.l., t.l., f.o.b. plant, frt. equald lb. 1.23 - —
dms., l.c.l., same basis lb. 1.25 - —
Salicylamide, 100-lb. dms. lb. 1.00 - 1.10
Salicylic acid, crude, fib. dms., c.l., t.l., frt. alld lb. .37¼- —
fib. dms., l.c.l., frt. alld. on 100 lbs. or more lb. .38½- —
Sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., l.c.l., dlvd. lb. .43½- —
USP, cryst., 200-lb. fib. dms., 1,000-lbs. or more lb. .50½- —
200-lb. fib. dms., less than 1,000 lbs. lb. .53½- —
100-lb. fib. dms., 1,000-lbs. or more lb. .52½- —
100-lb. fib. dms., less than 1,000 lbs. lb. .55½- —
USP, powd., 100-lb. fib. dms., 1,000-lbs. or more lb. .57½- —
100-lb. fib. dms., less than 1,000 lbs. lb. .60½- —
Salol, NF, gran., bbls., kgs. lb. 1.20 - —
Powdered salol, 25c per lb. higher
Salt, rock, paper bgs., c.l., 100 lbs. 1.09 - —
Salt, table vacuum, common, fine, paper bgs., c.l 100 lbs. 1.34 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.28.00 - —
Saltpeter (see Potassium nitrate)
Sandalwood, E. Indian, chips, bgs. lb. .65 - .66
powd., fib. dms. lb. .75 - .76
Sandalwood oil, cns. lb.12.80 -14.00
Sardine oil, crude, tanks, Pac. coast. lb. No stocks
Sassafras oil, artif., dms. lb. .58 - .75
Nat., dom., dms. lb. 1.70 - 2.15
Savin oil, USP, cns. lb. 7.50 - —
Savory oil, cns. lb. 4.25 - —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .85 - —
Schaeffer's salt, powd., bgs., frt. alld., 100% basis lb. .95 - —
Scopolamine hydrobromide, USP, bots oz.13.00 -15.90
Sebacic acid, CP, dms., c.l., works. lb. .69½- —
dms., l.c.l., works lb. .71½- —
Purified, dms., c.l., works lb. .65½- —
dms., l.c.l., works lb. .67½- —
Seidlitz mixture, fib. dms., 5,000-lb. lots lb. .30½- —
fib. dms., smaller lots lb. .31 - .32
Selenium, powd., 99½%, dms., dlvd. lb. 7.00 - —
Senega root, bls lb. 2.00 - —
Senna leaves, Alexandria, whole and half, bls lb. .22 - —
siftings lb. .18 - —
Tinnevelly, No. 1, bls lb. .22 - —
No. 2, bls. lb. .18 - —
No. 3, bls. lb. .14 - —
pods, bls. lb. .28 - —
powd., bbls., bxs. lb. .17 - —
Serpentaria root, bls. lb. 6.50 - 7.00
Sesame oil, USP, dms. lb. .38 - .39
Sesame seed, Columbian, bgs. lb. .15½- —
Lebanese, hulled, bgs. lb. .19 - —
Nicaraguan, hulled shipt., bgs lb. .24½- —
nat., bgs. lb. .16 - —
Salvadorian, nat., bgs. lb. .16 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .48 - —

Bonedry shellac prices for less than 1,500-lb. lots 1c. per lb. higher for all packages.

Shellac, bleached, refd., bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .58 - —
Shellac, orange, lemon No. 1, bgs., 10-bg. lots lb. .36 - .39
lemon No. 2, bgs., 10-bg. lots lb. .33 - .37
superfine, bgs., 10-bg. lots lb. .32 - .34

Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil, tar distillate, dms., c.l., works gal. .37 - —
dms., l.c.l., works gal. .48 - —
tanks, works gal. .25 - —
Sienna pigment, burnt, paper bgs., c.l., works lb. .06¼- .18½
paper bgs., l.c.l., works lb. .06¾- .17¾
Raw, paper bgs., c.l., works lb. .06¾- .16¾
paper bgs., l.c.l., works lb. .07 - .17
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton.25.00 - —
bgs., l.c.l., works, ex whse. ton.45.00 -55.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
bgs, l.c.l., works ton.25.00 - —
99½%, 140 mesh, bgs., c.l., works ton.15.00 - —
bgs., l.c.l., works ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
dms., l.c.l., works lb. .22 - .30½
tanks, works lb. .17 - —
Silver bullion, ingots, ex Troy oz. .89¾- —
Silver cyanide, bots., 1,000-oz. lots, oz. .93½- —
bots., 500-oz. lots oz. .94 - —
bots., 100-oz. lots oz. .95 - —
Silver nitrate, CP, cryst., bots., 3,000-oz. lots oz. .66¼- —
dm., 1,000-oz. lots oz. .66¾- —
bots., 500-oz. lots oz. .67¾- —
bots., 250-oz. lots oz. .67¾- —

USP granular silver nitrate 4c. per oz. higher.

Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.15 - —
Strong, NF, bots., dms., 1,000-oz. lots oz. 1.10 - —
Snakeroot oil, Canada, cns. lb.45.00 -60.00
Soapbark, crushed, bls. lb. .35 - —
Powd., bls. lb. .35 - —
Whole, bls. lb. .30 - —
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.90 - —
paper bgs., l.c.l., stock pts., 100-lbs. 3.00 - 4.77
bulk, c.l., works 100 lbs. 1.60 - —
Light, 58%, paper bgs., c.l., works 100 lbs. 1.85 - —
paper bgs., l.c.l., stock pts., 100 lbs. 3.95 - 4.72
bulk, c.l., works 100 lbs. 1.55 - —
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 5.20 - —
Liq., 50%, sellers tanks, works, dry basis 100 lbs. 2.90 - —
50%, rayon type, sellers' tanks, works, dry basis 100 lbs. 2.90 - 3.00
73%, sellers' tanks, works, dry basis 100 lbs. 3.00 - —
73%, rayon type, sellers' tanks, works, dry basis, 100 lbs. 3.00 - 3.10
Solid, 76%, dms., c.l., works, 100 lbs. 4.80 - —
Soda, sal. conc., bgs., c.l., works, 100 lbs. 2.50 - —
bgs., smaller lots, works 100 lbs. 2.80 - —
Sodium acetate, anhyd., bgs., c.l., dlvd. E lb. .14½- —
bgs., l.c.l., same basis lb. .16½- —
NF, 60%, gran., dms., c.l., works, lb. .15½- —
dms., l.c.l., wors lb. .17½- —
Sodium alginate, NF, white powd., dms., 300 lbs. or more lb. .93 - —
Sodium p-aminosalicylate, dms., 100-lb. lots or more, frt. adjusted lb. 2.70 - —
Sodium antimoniate, bgs., c.l., dlvd. E lb. .25½- —
bgs., l.c.l., dlvd. E lb. .27 - —
Sodium arsenate, 60% arsenic pentoxide, dealers, dms., ton or more, works lb. .26 - —
dms., less than ton lots, works lb. .26½- —
Sodium arsenite, 90% pink powder, 75% arsenious oxide, dealers, dms., ton lots or more, works lb. .17½- —
dms., less than ton lots, works lb. .18 - .19
Sodium ascorbate, dms., 25-50 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
dms., 1-kilo lots kilo.11.00 - —
bots., 500-gram, bots. kilo.11.50 - —
Sodium benzoate, tech., dms., c.l., t.l., frt. alld lb. .35 - —
dms., l.c.l., same basis lb. .39 - —
Sodium benzoate, USP, dms., c.l., t.l., frt. alld lb. .38 - —
dms., ton lots, same basis lb. .43 - —
dms., 1,000-lb. lots, same basis. lb. .45 - —
Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.95 - —
bgs., l.c.l., works 100 lbs. 3.85 - —
USP, powd., bgs., c.l., works. 100 lbs. 2.55 - —
bgs., l.c.l., works 100 lbs. 3.45 - —
Sodium bichromate, gran., bgs., c.l. t.l., works lb. .13 - —
bgs., l.c.l., works lb. .13½- .14¼
Sodium bifluoride, bbls., c.l., works, frt. equald lb. .19½- —
bbls., l.c.l. same basis lb. .1990- —
Sodium bisulfate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
dms., l.c.l., frt. equald 100 lbs. 3.50 - 4.10
Sodium bisulfite, anhyd., bgs. c.l., works 100 lbs. 5.00 - —
bgs., l.c.l., works 100 lbs. 5.45 - —
Soln., 35°, bbls., c.l., works 100 lbs. 1.70 - —
bbls., l.c.l., works 100 lbs. 2.20 - —
Sodium borate (see Borax)
Sodium bromide, USP, gran., dms., works lb. .40 - —
Sodium carbonate, cryst., monohydrated (see Soda, sal).
Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs. 3.10 - —
bgs., l.c.l., works 100 lbs. 3.50 - —
Sodium carboxymethyl cellulose (see CMC).
Sodium chlorate, cryst., 350-lb. dms., c.l., works lb. .09 - —
dms., l.c.l., works lb. .09½- .10½
Sodium chlorate in 100-lb. dms., only, ¼c. per lb. higher.
Sodium chloride, tech. (see Salt).
Sodium chloride, USP, gran., bgs. lb. .05 - —
Sodium chlorite, tech., dms., c.l., works lb. .58 - —
dms., 20-dm. lots or more, works. lb. .66 - —
dms., smaller lots, works lb. .70 - .73
Sodium chloroacetate, tech., dms., c.l., works lb. .27 - —
dms., l.c.l., works lb. .28 - —
Sodium chromate, anhyd., fib. dms., c.l., t.l., works lb. .14¾- —
fib. dms., l.c.l., works lb. .15¼- .16¼
Sodium chromate, tetrahydrate, bgs., c.l., t.l., works lb. .1015- —
bgs., l.c.l. lb. .1065- .1190
Sodium citrate, anhyd., dms. lb. .62 - —
NF VIII, gran., dms lb. .26½- .27½
USP XIV, gran., dms lb. .29½- .30½

Sodium citrate, USP powd. prices ½c. higher.

Sodium cyanate, dms., 1,000-lb. lots, works lb. .85 - —
dms., smaller lots, works lb. .90 - 1.10
Sodium cyanide, flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .193 - —
dms., over 1,000-lb. lots lb. .203 - —
dms., 100-lb. to 1,000-lb. lots lb. .213 - —

Gran. sodium cyanide 1c. higher.

Sodium cyclamate, 100-lb. dms lb. 1.95 - —
Sodium diacetate, 33-35% acidity, 250-lb. dms., works lb. .15 - —
250-lb. dms., l.c.l., works lb. .15¾- —
Anhyd., dms., c.l., works lb. .18 - —
dms., l.c.l., works lb. .18¾- —
Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis lb. .42 - —
dms., l.c.l., t.l., same basis lb. .47 - .52
tanks, same basis lb. .38 - —
Sodium ferrocyanide, bgs., 10-ton lots lb. .13½- —
bgs., smaller lots lb. .14 - —
Sodium fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
fib. dms., l.c.l., works, frt. equald lb. .1430- —
Sodium formate, bgs., c.l., works. 100 lbs. 7.00 - —
bgs., l.c.l., works 100 lbs. 8.65 - —
Sodium gentisate, 100-lb. fib. dms. lb. 8.50 - —
Sodium gluconate, refd., dms. lb. .54 - —
Tech., dms., bgs. lb. .37 - .39
Sodium hydride, powd., dms., works. lb. 1.90 - 2.75
Sodium hydrosulfide (see Sodium sulfhydrate).
Sodium hydrosulfite, dms., c.l., frt. alld. lb. .22½- —
dms., l.c.l., frt. alld. lb. .24¾- —
Sodium hydroxide, NF, pellets, 100-lb. dms., 1 to 100-dm. lots. lb. .23½- .28
Sodium hydroxide, tech. (see Soda, caustic).
Sodium hypophosphite, NF, dms., 1,000-lb. lots lb. .97 - —
Sodium hyposulfite, anhyd., photo grade, bgs., c.l., works. 100 lbs. 7.50 - 8.05
bgs., l.c.l., works lb. 7.89 - 8.45
Sodium hyposulfite, tech. bgs., c.l., works 100 lbs. 7.25 - —
bgs., l.c.l., works 100 lbs. 7.60 - —
Sodium hyposulfite hexahydrate, pea., cryst., bgs., c.l., works 100 lbs. 5.15 - —
bgs., l.c.l. works 100 lbs. 5.55 - —

Sodium hyposulfite hexahydrate, photo grade, bgs., c.l., works. 100 lbs. 7.75 • —
bgs., l.c.l., works....100 lbs. 8.00 • —
Sodium hyposulfite pentahydrate, tech., bgs., c.l., works. 100 lbs. 4.65 • 5.15
bgs., l.c.l., works....100 lbs. 4.90 • 5.35
Sodium iodide, USP, 300-lb. dm..lb. 1.96 • —
Sodium lactate, edible, 60%, ebys., dms., works..lb. .26½ • —
Sodium lauryl sulfate, dms., c.l., dlvd..lb. .18 • —
dms., l.c.l., dlvd. ....lb. .20 • —
tanks, dlvd. ....lb. .18 • —
Sodium metabisulfite (see Sodium bisulfite).
Sodium lignin sulfonate, bgs., c.l., works..100 lbs. 4.25 • 5.50
l.c.l., bgs., works....100 lbs. 4.40 • 7.00
Sodium metaborate octahydrate, gran., bgs., c.l. works.ton.102.00 • —
bgs., ton lots, ex whse..100 lbs. 8.00 • —
bgs., smaller lots, ex whse. 100 lbs. 9.25 -11.25
Sodium metaborate, tetrahydrate, bgs., c.l. works...ton.210.00 • —
bgs., ton lots, ex whse..100 lbs.13.93 • —
bgs., smaller lots, ex whse. 100 lbs.15.15 -17.15
Sodium, metallic, bricks, c.l. works. lb. .19½ • —
Fused, 18,000-lb. lots or more, works..lb. .19 • —
tanks, works ....lb. .17 • —
Sodium metalinate, bbls., frt. alld. lb. .62 • —
Sodium metasilicate, anhyd., bgs., c.l., works..100 lbs. 5.70 • —
bgs., 6,000-19,900 lb. lots, works. 100 lbs. 6.05 • —
dms., c.l., works....100 lbs. 6.20 • —
dms., l.c.l., works....100 lbs. 6.55 • —
gran., fib. dms. ....lb. .17½ • .18
Sodium metasilicate pentahydrate, bgs., c.l., works..100 lbs. 4.45 • —
bgs., l.c.l., works....100 lbs. 4.80 • 6.75
dms., c.l., works....100 lbs. 4.95 • —
dms., l.c.l., works....100 lbs. 5.30 • 7.25
Sodium molybdate, anhyd., dms., works, frt. equald..lb. .96 • 1.11
Cryst., dms., works, frt. alld..lb. .80 • —
Sodium monoglutamate (see Monosodium glutamate).
Sodium monohydrate (see Sodium carbonate, monohydrated).
Sodium naphthionate, bbls. ....lb. .70 • —
Sodium nitrate, dom., crude, bgs., c.l., works..ton.44.50 • —
bulk, c.l., works....ton.40.50 • —
Imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.44.50 • —
bulk, c.l., same basis....ton.40.50 • —
Sodium nitrite, USP, bbls., c.l., works, frt. equald..100 lbs. 9.00 • —
bbls., l.c.l., same basis..100 lbs.11.00 • —
Sodium orthosilicate, conc., dms., c.l., works..100 lbs. 6.70 • —
dms., l.c.l., works ....100 lbs. 7.05 • 7.65
Sodium orthosilicate, hydrated, flake, bbls., c.l. works. 100 lbs. 5.65 • —
bbls. l.c.l., works ....100 lbs. 7.60 • 7.90
Sodium oxalate, 88%, bgs., works. 100 lbs.12.35 • —
Sodium para-aminobenzoate (see Sodium p-aminobenzoate).
Sodium para-aminosalicylate (see Sodium p-aminosalicylate).
Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald..lb. .26 • —
bgs., l.c.l., same basis....lb. .27½ • .34
Pellets, bgs., c.l., same basis..lb. .26 • —
bgs., l.c.l., same basis....lb. .27½ • .34
Sodium pentachlorophenate, powd., bgs., dms., c.l., same basis..lb. .25 • —
bgs., dms., l.c.l., same basis..lb. .26½ • .33
Sodium pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb. over carlot prices.
Sodium pentobarbital, USP, dms., 100 lbs. or more ..lb. 6.00 • —
Sodium perborate, NF, tech., bgs., c.l., works..lb. .19 • —
bgs., l.c.l., works ....lb. .21 • —
Sodium peroxide, dms., c.l., t.l., dlvd. E. of Miss...lb. .20½ • —
dms., l.c.l., same basis ....lb. .21 • .21½
Sodium phenobarbital, USP, 100-lb. dms ..lb. 3.75 • —
Sodium phenolsulfonate, USP, IX, gran., dms..lb. .50 • .51
NF, powd., dms. ....lb. .53 • .54
Sodium phosphate, dibasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 7.95 • —
bgs., l.c.l., same basis..100 lbs. 8.35 • 9.40
duohydrate, bgs., c.l., frt. equald..100 los. 7.60 • —
bgs., l.c.l., same basis..100 lbs. 8.10 • —
USP, dried, powd., bgs., dms., works..lb. .19 • .20½
Sodium phosphate, monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 • —
bgs., l.c.l., same basis..100 lbs. 9.40 -10.00
Sodium phosphate, tribasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.05 • —
bgs., l.c.l. frt. equald.100 lbs. 9.45 -10.05
Cryst., bgs., c.l., t.l., frt. equald. 100 lbs. 4.60 • —
bgs., l.c.l., frt. equald..100 lbs. 5.00 • 5.75
Sodium phosphate in dms. 60c to 80c. higher than bgs.
Sodium prussiate, yellow (see Sodium ferrocyanide).
Sodium pyrophosphate acid, bgs., c.l., works, frt. equald. 100 lbs.11.10 • —
bgs., l.c.l., same basis..100 lbs.11.85 -12.35
Sodium pyrophosphate, ferric, dms., c.l., t.l., works..lb. .36 • —
dms., l.c.l., works....lb. .37 • .39
Sodium pyrophosphate, tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.81 • —
bgs., l.c.l., same basis..100 lbs. 9.21 • 9.71
Sodium salicylate, USP, dms., 1,000-lbs. or more lb. .78½ • —
dms., less than 1,000 lbs dms.lb. .81½ • —
Sodium sesquicarbonate, bgs., c.l., works..100 lbs. 2.35 • —
bgs., l.c.l., dlvd. zone 1....100 lbs. 4.10 • 4.35
dlvd. zone 2....100 lbs. 4.35 • 4.60
dlvd. zone 3....100 lbs. 4.75 • 4.90
dlvd. zone 4....100 lbs. 5.35 • 5.60
Sales zones are: (1) Atl. states E. of Miss., R and N of south bound of Ky. and Va., Ala., La., and Miss., south of 31°; Tex. E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt. in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport) Minn., Mo. (except St. Louis) Neb. E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98° N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.
Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works..100 lbs. 5.70 • —
dms., c.l., t.l., works ...100 lbs. 6.20 • —
hydrated, bgs., c.l., works..100 lbs. 5.00 • —
bgs., 6,000-19,900 lb. lots, works. 100 lbs. 5.33 • —
Sodium sesquisilicate, hydrated, dms., c.l., works ..100 lbs. 5.50 • —
dms., 6,000-19,900 lb. lots, works. 100 lbs. 5.83 • —

Sodium silicate, liq., 40° Be, turbid, 1:3.2, dms., c.l., works. 100 lbs. 1.85 • —
dms., l.c.l., works..100 lbs. 1.90 • 2.40
tanks, works ....100 lbs. 1.25 • —
47° Be., turbid, 1:2.8, dms., c.l., works..100 lbs. 2.25 • —
dms., l.c.l., works..100 lbs. 2.60 • 3.45
tanks, works ....100 lbs. 1.90 • —
52° Be., turbid, 1:2.4, dms., c.l., works..100 lbs. 2.65 • —
dms., l.c.l., works....100 lbs. 3.00 • 3.50
tanks, works....100 lbs. 2.30 • —
Solid, 1:2.2, bgs., works....ton.67.50 • —
Sodium silicofluoride, bgs., c.l., works..lb. .065 • —
bgs., l.c.l., works....lb. .069 • —
Sodium silicofluoride in dms., 0.4c. per lb. higher.
Sodium stannate, dms., works, frt. alld. E..lb. .828 • .888
Sodium sulfa drugs (see Sulfa name).
Sodium sulfanilate, bbls., works..lb. .22 • —
Sodium sulfate, NF VII, dried, powd., dms..lb. .22½ • —
Tech., anhyd., bgs., c.l., dlvd. E..ton.54.00 • —
detergent, rayon grade, bgs., c.l., works..ton.36.00 • —
bulk, c.l., works....ton.32.00 • —
USP, cryst., fib. dms. ....lb. .17½ • .18
Sodium sulfhydrate, flake, 70-72%, dms., c.l., works frt. equald. lb. .07¼ • —
dms., l.c.l., same basis....lb. .08¼ • —
Liq., 40-44%, tanks, works, 100% basis..ton.130.00 • —
Sodium sulfide, flake, dms., c.l., works, E., frt. equald..lb. .06 • —
dms., l.c.l., same basis....lb. .07 • —
fused, bbls., c.l., works, E., frt. equald..lb. .05½ • —
bbls., l.c.l., same basis....lb. .06½ • —

Sodium sulfite, anhyd., bgs., c.l. works..100 lbs. 7.55 • —
bgs., l.c.l., same basis..100 lbs. 7.95 • —
Tech, bgs., c.l., works....100 lbs. 3.50 • —
bgs., t.l., same basis....100 lbs. 4.00 • —
Sodium sulfocyanide, CP (see Sodium thiocyanate).
Sodium tetraborate (see Borax)
Sodium tetrasulfide, liq., 40% dms., c.l., works, frt. equald..lb. .04½ • —
dms., l.c.l., same basis...lb. .05½ • —
Sodium thiocyanate, CP, dms....lb. .55 • .65
Tech., anhyd., dms., 1 ton lots or more, works..lb. .317 • —
dms., less than ton lots, works lb. .337 • —
Sodium thiosulfate, NF, cryst. bbls. lb. .13½ • —
Sodium thiosulfate, tech. (see Sodium hyposulfite)
Sodium titanate, ctns., c.l., works. lb. .14¼ • —
ctns., 5-ton lots, works ....lb. .14½ • —
ctns., 1-ton or less, works ....lb. .14¾ • —
Sodium trichloroacetate, 94%, 100-lb. dms., c.l., frt. alld. E. lb. .35 • —
50-lb. dms., c.l., frt. alld. E. lb. .35½ • —
10-lb. ens., c.l., frt. alld. E. ..lb. .42 • —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Sodium tripolyphosphate, bgs., c.l., works, frt. equald. 100 lbs. 8.16 • —
bgs., l.c.l., same basis....100 lbs. 8.56 • 9.06

Sodium trisilicate, powd., 1:3.2 bgs., c.l., works..100 lbs. 8.93 • —
bgs., l.c.l., works ....100 lbs. 9.70 -13.13
dms., c.l., works ....100 lbs. 9.45 • —
dms., l.c.l., works ....100 lbs.10.20 -10.60
Sodium tungstate, tech., kgs. dlvd. E lb. 1.18 Nom.
Sodium-ammonium phosphate, purif., cryst., dms., works. lb. .52 • —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd. lb. .21 • —
dms., l.c.l., same basis ..... lb. .21½ • —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb. lots or more works lb. .23 • —
fib., dms., smaller lots, same basis lb. .30 • —
Solvent naphtha, coaltar, high-flash, tanks, frt. equald gal. .30 • .35½
Solvent naphtha, petroleum, aromatic 312°-365°F. b.r., 17.2°C. m.a.p., tanks, New Jersey ...gal. .31 • —
315°-350°F. b.r., 17.2°C. m.a.p., tanks, Texas City ....gal. .35 • —
342°-351°F, b.r., 15°C, m.a.p., tanks, Baytown, Texas gal. .29 • —
324°-349°F, b.r., 16.5°C, m.a.p., tanks, Houston ..... gal. .32 • —
322°-350°F, b.r., 17.2°C. m.a.p., tanks, Baytown, Tex.. gal. .29 • —
352°-413°F, b.r., 17.5°C, m.a.p., tanks, Houston .....gal. .32 • —

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Solvent naphtha, petroleum, aromatic, 365°-404°F, b.r., 19°C, m.a.p., tanks, New Jersey gal. .32 - —
Solvent naphtha, petroleum, aromatic, 357°-421°F, b.r., 20°C, m.a.p., tanks, Baytown, Tex. gal. .30 - —
Solvent naphtha, petroleum, partial aromatic, 205°-282°F, b.r., 38°C, m.a.p., tanks, New Jersey gal. .24 - —
211°-277°F, b.r., 25.9°C, m.a.p., tanks, New York, New Jersey gal. .28 - —
221°-276°F, b.r., 34.8°C, m.a.p., tanks, Houston gal. .20 - —
232°-325°F, b.r., 41.6°C, m.a.p., tanks, Houston gal. .25 - —
357°-405°F, b.r., 54°C, m.a.p., tanks, Houston gal. 28 - —
358°-401°F, b.r., 24.4°C, m.a.p., tanks, New Jersey gal. .38 - —
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .38 - .40
Sorbitan tristearate, fib. dms., 20,000-lb. lots works lb. .34 - —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .39 - .41
Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
dms., 1 to 5-ton lots, works. lb. .25 - .26
Powd., dms., c.l., works lb. .36 - —
dms., 1 to 5-ton lots, works. lb. .38 - .39
Soln., coml., aqueous, dms., c.l., works lb. .21¼ - —
dms., ton lots, works lb. .24 - —
dms., smaller lots, works lb. .25¼ - —
tanks, works lb. .23¼ - —
NF, reg., 70% aqueous, dms., c.l., works lb. .16 - —
dms., ton lots, works lb. .16¾ - —
dms., smaller lots, works lb. 17 - —
tanks, works lb. .15 - —
Soya protein, chemically isolated, old process, bgs., c.l., works. lb. .23 - —
bgs., l.c.l., works lb. .23½ - —
Chemically isolated, new process, bgs., c.l., works lb. .19 - —
bgs., l.c.l., works lb. .19½ - —
Soybean meal, 44%, bulk, Decatur. ton.62.00 -63.00
Soybean oil, crude, tanks, Decatur. lb. .09¼ - —
Foots, soapstock, acid 95%, tanks, N. Y. lb. .04½ - —
Soybean oil, refd., alkali, dms. lb. .1355- .1385
tanks lb. .1155- —
Clarified, dms. lb. .1305- .1335
tanks lb. .1105- —
Salad, dms. lb. .1342- .1375
tanks lb. .1142- —
Soybean oil acids, dbl. dist., dms., lb. .18 - .20½
tanks lb. .15½ - —
S. D., dms lb. .16¾ - .19¼
tanks lb. .14¼ - —
Soybean pitch, dms., works lb. .05 - .05¼
Sparteine sulfate cns. oz. .80 - .90
Spearmint leaves, dom., bls. lb. .75 - —
Spearmint oil, NF, dms. lb. 6.50 - 7.10
Sperm oil, bleached, winter, 45°, dms lb. .1625- .17
tanks lb. .1450- —
Nat., winter, 45°, dms. lb. .1525- .16
tanks lb. .1350- —
Spermaceti wax, blocks, cs. lb. .31 - .34
Cakes, cs. lb. .32 - .34
Spruce extract, liq., reg. tanks, works lb. .01¾ - —
Powd., super, bgs., c.l., works. lb. .05¼ - —
bgs., l.c.l., works lb. .05½ - —
Spruce oil cns., dms. lb 2.10 - 3.55
Squill, white, bls lb. .16 - .18
powd., bbls., bxs lb. .17 - .20
St. John's bread, edible, bls lb. .14 - .16
Stannic chloride, anhyd., dms., works lb. .785 - .795
Stannic oxide dms., dlvd. lb. 1.04½ - 1.05½
Stannous chloride, anhyd. dms., works lb. .969 - 1.483
Stannous chloride, hydrous, cryst., dms., works lb. .85½ - .86½
Stannous sulfate, dms., works lb. 1.044 - 1.064
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 7.38 - —
paper bgs., l.c.l. 100 lbs. 7.53 - —
Powd., paper bgs., c.l. 100 lbs. 7.50 - —
paper bgs., l.c.l. 100 lbs. 7.65 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher.
Starch, potato, dom., Idaho, bgs., c.l., works lb. .0580- —
Maine, bgs., c.l., works lb. .06 - —
bgs., l.c.l., ex whse. New York, lb. .08¼ - .09¼
Starch, rice, bgs., ex whse. lb. .14 - .15
Starch, wheat, bgs. lb. .08½ - .09
Star root (see Helonias root).
Stargrass root (see Aletris root).
Staveacre seed, bgs. lb. .60 - .61
Stearic acid, dbl., pressed, bgs lb. .16¾ - .19¼
Single-pressed, bgs. lb. .16¼ - .18¾
Triple-pressed, bgs. lb. .18½ - .21
Stearine, crude (see Oleostearine).
Stoddard solvent, petroleum, tanks, east coast, New Jersey, New York gal. .18 - —
tanks, western Pennsylvania. gal. .16 - —
tanks, group 3 gal. .12875- —
tankwagon, Boston gal. .20 - —
Chicago gal. .299 - —
Cleveland gal. .23½ - —
Los Angeles, ex tax gal. .199 - —
Stoddard solvent, petroleum, tankwagon, Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½ - —
Pittsburgh gal. .19 - —
Stramonium leaves, bgs lb. .16 - .19
Streptomycin hydrochloride, bulk, gram. .07 - —
Streptomycin sulfate, bulk gram. .07 - —
Strontium bromide, NF, cryst., 100-lb. fib. dms lb. .84 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works lb. .35 - —
dms., 1-ton lots, works lb. .57 - —
Tech., dms., works lb. .19 - —
Strontium chromate, fib. dms., works. lb. .49 - —
Strontium iodide, jars, 25-lb. lots. lb. 3.57 - —
Strontium nitrate, bgs., c.l., works. 100 lbs. 11.00 - —
bgs., l.c.l., works 100 lbs. 12.00 - —
Strontium salicylate, NF, dms. lb. 1.88 - —
Strontium sulfate, air floated, 90%, 325 mesh, bgs., works ton.56.70 -66.15
Strophanthin G (see Ouabain, USP).
Strophanthin K, bots. oz 25.00 -25.50
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Styrax gum, USP, cs. lb. 3.00 Nom.
Styrene monomer, polymer grade, 99.6%, dms., c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .14½ - —
Styrene, monomer, tech., 99.2%, dms., c.l. lb. .152 - —
dms., l.c.l., same basis lb. .172 - —
tanks, bulk, same basis lb. .127 - —
Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index.
Styrolyl acetate, bots. lb. 1.25 - 1.45
Succinic acid, purif., cryst., bbls., works lb. .62 - .75
Sucrose, refd., white, bgs., refy. E. lb. .0935- —
Sucrose octa-acetate, denaturing grade, 100-200-lb. lots, bgs., l.c.l., works lb. .84 - —
Sugar (see Sucrose).
Sugar cane wax, dom., refd., slabs, 80-lb. ctns., works lb. .65 - .75
80-lb ctns., spot lb. .67¼ - .72¼
Sulfabenzamide, dms. kilo. 8.80 - 9.90
Sulfabenzamide-sodium, dms. kilo. 9.00 -10.10
Sulfacetamide, USP, fib. dms. kilo. 7.70 - 8.80
Sulfacetamide-sodium, USP, fib. dms kilo. 8.15 - 9.25
Sulfadiazine, USP, microcrystals, dms kilo.23.35 -24.45
powd., dms. kilo.22.60 -23.70
Sulfadiazine-sodium, USP, dms kilo.24.80 25.90
Sulfaguanidine, NF X, dms kilo. 5.50 - 6.60
Sulfamerazine, USP, microcrystals, dms kilo.23.50 -24.60
Sulfamerazine-sodium, USP, powd., dms kilo.24.80 -25.90
Sulfamethazine, microcrystals, USP XV, dms kilo.19.65 -20.75
Powd., dms. kilo.18.75 -19.85
Sulfamic acid, cryst., dms., c.l., t.l., works 100 lbs.16.00 - —
dms., l.c.l., l.t.l., works 100 lbs.17.50 -18.50
100 lbs. or more lb. 6.00 - —
Gran., dms. c.l., t.l., works. 100 lbs.14.75 - —
dms., l.c.l., l.t.l., works 100 lbs.16.25 -17.25
Sulfanilamide NF X, 30-80 mesh, dms kilo. 3.05 - 3.50
NF X, microcrystals, dms. kilo. 3.79 - 4.20
NF X, powd., dms. kilo. 2.85 - 3.30
Sulfanilamide quinoxaline, veterinary, dms kilo.14.12 -14.85
Sulfanic acid, tech., dms. c.l., frt. alld lb. .21 - —
dms., l.c.l., frt. alld. lb. .23 - —
Sulfapyridine USP XV, powd., bots., tins kilo.15.45 -16.55
Sulfapyridine-sodium, monohydrate, dms kilo.16.55 -17.65
Sulfathiazole, NF X, microcrystals, dms kilo. 5.50 - 5.35
powd., dms. kilo. 6.25 - 6.60
Sulfathiazole-sodium, NF X, dms., 1,000-lb. lots or more lb. 2.35 - —
Sulfur, coml., flour, bgs., mines, 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.30 - —
lump, bgs., mines 100 lbs. 2.35 - —
bbls., mines 100 lbs. 2.90 - —
Sulfur, crude, dom., bright, bulk, f.o.b. cars, mines long ton.23.50 - —
Export, f.o.b. vessels Gulf ports long-ton.25.00 - —
US and Canada, f.o.b. vessels Gulf ports. long-ton.25.00 - —
Domestic dark sulfur prices are $1 per long-ton lower.
Sulfur, crude, bulk, imp., Mexican, filtered, f.o.b., vessel, Coatzacoalcos long-ton.24.00 - —
Mexican dark sulfur price is $1 per long-ton lower.
Sulfur, refd., flowers, NF, bgs., mines 100 lbs. 5.15 - —
bbls., mines 100 lbs. 6.50 - —
flour, light, bgs., mines 100 lbs. 4.75 - —
bbls., mines 100 lbs. 5.75 - —
lump bgs., mines 100 lbs. 4.45 - —
rolls, bgs., mines 100 lbs. 5.00 - —
bbls., mines 100 lbs. 5.75 - —
salt block, bgs., mines 100 lbs. 4.65 - —
virgin block, bbls., mines 100 lbs. 4.70 - —
Sulfur, rubbermakers, coml., reg., bgs., mines 100 lbs. 2.55 - —
bbls., mines 100 lbs. 3.80 - —
98-100%, passing through 325 mesh, bgs., mines.100 lbs. 2.65 - —
bbls., mines 100 lbs. 3.90 - —
refd., bgs., mines 100 lbs. 4.40 - —
bbls., mines 100 lbs. 5.55 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 4.10 - —
Sulfur dichloride, ret. dms. c.l., works, frt. equald lb. .04½ - —
ret. dms., l.c.l., same basis lb. .05¼ - —
tanks, same basis lb. .04 - —
Sulfur dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
Refrigeration, 150-lb. cyls., dlvd. lb. .33 - —
Sulfur monochloride, 55-gal. non-ret. dms., c.l., frt. equald lb. .04½ - —
dms., l.c.l., same basis lb. .05¼ - —
tanks, same basis lb. .04 - —
Sulfuric acid, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
cbys., l.c.l., works 100 lbs. 2.30 - —
tanks, works ton.18.60 - —
Sulfuric acid, 66° Be, cbys., c.l., works 100 lbs. 2.25 - —
cbys., l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton.22.35 - —
98%, tanks, works ton.23.50 - —
99-100%, tanks, works ton.23.95 - —
Sulfuric Acid, CP, NF consumers' cbys., c.l., frt. equald lb. .12¾ - —
consumers' cbys., l.c.l., same basis lb. .14¼ - .14¾
5-pt. bots., extra, cs., c.l., works, frt. alld lb. .16¼ - —
5-pt. bots., extra, cs., l.c.l., same basis lb. .17¾ - .18¾
Sulfuric acid, fuming (oleum), 20%, tanks, works ton.25.00 - —
40%, tanks, works ton.29.00 - —
65%, tanks, works ton.39.50 - —
Sumac leaves, 28% tannin, bgs., ex dock ton.205.00 Nom.
28% tannin, grd., bgs. ex dock. ton.200.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk., c.l., Baltimore unit-ton. .90 - .93
bulk, c.l., Carteret, N. J. unit-ton. .90 - .93
bulk, f.o.b., vessel unit-ton. 1.02 - —
Superphosphate, triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla unit-ton. .98 - —
Sweet birch oil, USP, northern, cns lb. 4.00 - 9.50
USP, southern, cns. lb. 2.00 - 3.05

T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 - —
dms., l.c.l., same basis lb. 1.25 - —
2,4,5-T Isopropyl ester, dms., c.l., works, frt. equald. lb. 1.24 - —
dms., l.c.l., works lb. 1.29 - —
Talc, dom., fibrous, New York, grd., bgs., c.l., works ton.28.00 - —
bgs., l.c.l., works ton.31.00 -36.00
fibrous, New York, 99.5%, 325 mesh bgs., c.l., works. ton.31.00 - —
bgs., l.c.l., works ton.34.00 - —
99.95% micronized, bgs., works. ton.36.00 - —
ord., Calif., grad., bgs., c.l., works ton.34.00 -39.50
Vermont, off-color, grd., bgs., c.l., works ton.19.40 - —
bgs., l.c.l., works ton.37.00 - —
Imp., Canadian, grd., bgs., c.l., mines ton.20.00 -35.00
Tall oil, crude, dms., c.l., works lb. .04¼ - .04½
tanks, works lb. .02¾ - .03
Dist., dms., c.l., works lb. .07¾ - —
dms., l.c.l., works lb. .08 - .08½
tanks, works lb. .06 - .06½
Refd., dms., c.l., works lb. .06¾ - —
dms., l.c.l., works lb. .07 - .07½
tanks, works lb. .05½ - .06
Tall oil acids, dms., c.l., works lb. .10½ - .12
dms., l.c.l. lb. .11 - .12½
tanks, works lb. .08½ - .10
Tall pitch, dms., c.l., works ton.50.00 -70.00
tanks, works ton.40.00 - —
Tallow, edible, tanks, dlvd. lb. .09 - .09¼
inedible, fancy, bleachable, tanks, dlvd lb. .07¾ - .07⅞
fancy, guaranteed, dms., f.a.s. lb. .09 - .09½
No. 1, tanks, dlvd. lb. .07¼ - .07¼
prime, tanks, dlvd. lb. .07⅛ - —
special, tanks, dlvd. lb. .07⅜ - —
sulfonated, 25%, bbls., l.c.l. lb. .08⅝ - .09½
50%, bbls., l.c.l. lb. .10⅜ - .10⅝
Tallow acids, dist., dms. lb. .14¼ - .16¾
tanks lb. .11¾ - —
Hydrogenated, dms. lb. .15¾ - .18¼
Tallow oil, acidless, dms., c.l. lb. .14½ - —
dms., l.c.l. lb. .15½ - .17
Tangerine oil, Florida, dms. lb. 2.90 - 3.50
Tankage, animal, feeding, 9-11% ammonia, New York, bulk, unit-ton. 7.00 - —
Animal, feeding, 9-11% ammonia, Chicago, bulk unit-ton. 8.00 - —
Tannic acid, NF, fluffy, bbls., 1,000-lb. lots lb. 2.05 - —
bbls., smaller lots lb. 2.06 - 2.10
Powd., bbls., 1,000-lb. lots lb. 1.95 - —
bbls., smaller lots lb. 1.96 - 2.01
Tech., dms. lb. 1.05 - —
Tansy oil, dms. lb. 7.50 - 9.50
Tapioca flour, Brazilian bgs., ex whse lb. .09 - .10
Siamese, first quality, same basis, lb. .07 - .07½
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .53½ - —
dms., l.c.l., same basis gal. .55½ - —
tanks, same basis gal. .43½ - —
25-28%, dms., c.l., same basis gal. .60 - —
dms., l.c.l., same basis gal. .62 - —
tanks, same basis gal. .50 - —
50-53%, dms., c.l., same basis gal. .75 - —
dms., l.c.l., same basis gal. .77 - —
tanks, same basis gal. .65 - —
Tar, coal (see Coaltar).
Tartar emetic (see Antimony potassium tartrate).
Tartaric acid, dom., NF, 230 or 250-lb. dms., c.l. lb. .49 - —
230 or 250-lb. dms., 10,000-lb. lots, 1 shipt lb. .49½ - —
230 or 250-lb. dms., smaller lots lb. .50 - —
100-lb. dms. lb. .51 - —
Imp., NF, bgs., dms., kgs lb. .40 - .44
Terpine hydrate, NF, cryst., powd., 100-lb. fib. dms lb. .70 - —
Terpineol, extra, dms. lb. .41 - .70
Prime, dms. lb. .30 - .45
Terpinyl acetate, extra, cns., dms. lb. .64 - .75
Prime, dms. lb. .53 - .56
Terpinyl propionate, dms. lb. 1.75 - 3.00
Terra alba (see Gypsum).
Testosterone, USP, bots. gram. No prices.
Testosterone proprionate, USP. gram. No prices.
Tetrachloroethane, dms., works lb. .14½ - —
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Tetrachloroethylene, tech. (see Perchloroethylene).
Tetrachloroethylene, USP, 55-gal. dms., c.l., t.l., works lb. .20½ - —
dms., l.c.l., works lb. .22 - .23½
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .60 - —
dms., l.c.l., dlvd. E. lb. .61 - —
Tetraethyl pyrophosphate, 40%, cns., dms., frt. equald lb. .75 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .53½ - —
dms., l.c.l., dlvd. E. lb. .54½ - —
tanks, dlvd. E. lb. .51 - —
Tetrahydrofuran, dms., c.l., t.l., works lb. .36½ - —
dms., l.c.l., or l.t.l., works lb. .37 - —
tanks, works lb. .33 - —
Tetrahydrofurfuryl alcohol, dms., c.l., t.l., Memphis, Tenn. lb. .34¼ - —
Tetrahydrofurfuryl alcohol, dms., l.c.l., Memphis, Tenn. lb. .35½ - —
dms., c.l., t.l., Newark, N. J. lb. .36½ - —
dms., l.c.l., Newark, N. J. lb. .37½ - —
lb. .37½ - —
tanks, dlvd. E. of Denver lb. .34 - —
tanks, dlvd. W. of Denver lb. .35 - —
Tetrapotassium phosphate (see potassium phosphate).
Thallium metal, dlvd. lb. 7.50 -10.00
Thallium sulfate, 99%, bots., dlvd. lb. 5.00 -10.00
Theobromine, NF, fib. dms. lb. 4.50 - —
Theobromine and sodium acetate, USP, fib. dms lb. 4.75 - —
Theobromine sodio-salicylate, NF, fib. dms lb. 3.90 - —
Theophyline, anhyd. or USP, 100-lb. dms lb. 3.65 - —
Thiamin hydrochloride, USP, reg., fib. dms kilo.40.00 - —
USP, ampule grade, fib. dms.kilo.42.00 - —
Thiamin mononitrate, USP, fib. dms kilo.40.00 - —
Thiocarbanilide, dms., ton lots lb. .72 - —
dms., less ton lots lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thioflavin green toner, brilliant, molybdated, PMA, kgs., works lb. 5.20 - —
Tungstated, PTMA, kgs., works. lb. 6.20 - —
Thioglycolic acid, refd., cbys., 100% basis lb. 1.35 - 1.55
Thiosalicylic acid, purif., dms., 1,000-lb., lots, works lb. 4.00 - —
Thiourea, tech., bgs., t.l., frt. alld. lb. .30 - —
bgs., ton lots, same basis lb. .32 - —
bgs., less than ton lots, same basis lb. .33 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots. kilo.275.00 - —
Thyme leaves, French, bgs. lb. .34 - —
Spanish, bgs. lb. .14 - —
Thymé oil, NF, red, cns., dms. lb. 2.00 - 2.25
white, cns. lb. 2.20 - 2.60
Tech., white, cns. lb. .40 - 1.85
Thymol, fib. dms. lb. 2.60 - 3.00
Thymol iodide, NF, dms. lb. 7.30 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride, anhyd.).
Tin crystals (see Stannous chloride, hydrous).
Tin metal (straits) lb. .99 - —
Tin oxide (see Stannic oxide).
Tin sulfate (see Stannous sulfate).
Tin tetrachloride, anhyd. (see Stannic chloride anhyd.).
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd. lb. .25½ - —
bgs., l.c.l., dlvd lb. .26½ - —
reg., bgs., c.l., dlvd lb. .25½ - —
bgs., l.c.l., dlvd lb. .26½ - —
Titanium dioxide, anatase, metallurgical, nat., bgs., c.l., f.o.b. Jacksonville, Fla. ton.180.00 - —
bgs., 5-ton lots, Niagara, Falls, N.Y. ton.205.00 - —
Titanium dioxide, anatase, metallurgical, nat., bgs., ton lots, same basis ton.215.00 - —
Milled metallurgical titanium dioxide $7.50 per ton higher.
Titanium dioxide, rutile, nonchalking, bgs., c.l., dlvd, E. lb. .27½ - —
bgs., l.c.l., dlvd. E lb. .28½ - —
Titanium dioxide-calcium pigment, 30% Ti O_2, reg., bgs., c.l., dlvd lb. .09¾ - —
bgs., l.c.l., works lb. .09¾ - —
50% Ti O_2, high-tinting, dms. c.l. lb. .14¾ - —
dms., l.c.l. lb. .14¾ - —
Titanium hydride, powd., dms., works lb. 8.10 - 9.00
Titanium tetrachloride, tech., dms., c.l., works lb. .26 - —
dms., l.c.l., works lb. .27½ - .29
tanks, works lb. .20 - —
Tobias acid, bbls., l.c.l. lb. .81 - —
d-a-Tocopherols, mixed, NF, conc., pure basis, bots kilo.91.00 - —
di-a-Tocopherol, bots. kilo.134.20 - —
d-a-Tocopheryl acetate, NF, conc., pure basis, bots kilo.166.00 - —
d-a-Tocopheryl acid succinate, cryst., bots kilo.148.00 - —
dl-a-Tocopheryl acetate, bots kilo.122.00 - —
25% dry, powd., bots kilo.30.50 -32.00
33% dry, powd., bots kilo.40.65 -42.50
o-Tolidine base, dry, kgs., 100% basis lb. 1.55 - —
Paste, kgs., 100% basis lb. 1.50 - —

Toluol

Toluol quotations, both coaltar and petroleum, may be found under Toluene.

o-Tolidine hydrochloride, paste, kgs., 100% basis lb. 1.50 - —
Tolu balsam, cns. lb. 3.10 - 4.35
Toluene coaltar indust., or nitration, tanks, dlvd. E. of Rockies gal. .25 - —
Toluene, petroleum, indust., tanks, dlvd. E. of Rockies gal. .25 - .32
p-Toluenesulfonamide, powd., dms., works lb. .70 - —
p-Toluenesolfonic acid, dms., c.l., t.l., works lb. .17 - —
dms., l.c.l., works lb. .18 - —
p-Toluenesulfonic acid monohydrate, dms., c.l. or t.l. lb. .90 - —
dms., 125 lbs. to t.l. lb. 1.00 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
dms., l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
p-Toluenesulfonic acid, dms., c.l., alld lb. .30 - —
dms., l.c.l., same basis lb. .31 - —
tanks, same basis lb. .28 - —
p-Toluidine, tech., flake, dms., frt. alld lb. .50 - —
Cast, dms., frt. alld lb. .45 - —
p-Toluidine-m-sulfonic acid, bbls., works lb. .92 - 1.04
Toluidine, red toner, deep shades, kgs., works lb. 1.70 - —
Light shades, kgs., works. lb. 1.70 - —
2,4-Tolylenediamine, cryst., fib. dms., l.c.l., frt. alld lb. 1.10 - —
Tonka beans, Angostura, cks. lb. No prices.
Brazilian, Surinam, cs. lb. 1.35 - —
Totaquine 100-oz. lots, cns. oz. .42 - —
Toxaphene, dms., c.l., t.l., works. lb. .22 - —
dms., l.c.l., l.t.l., works lb. .28 - —
Tragacanth gum, No. 1, ribbons, cs. lb. 3.50 - 4.50
No. 2, cs. lb. 3.40 - —
Trogacanth gum, No. 3, cs. lb. 3.00 - 3.10
USP, powd., bbls. lb. 1.25 - 1.38
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
dms., l.c.l., same basis. lb. .40 - —
tanks, same basis. lb. .37 - —
Triallylamine, dms., c.l., dlvd. lb. .985 - —
dms., l.c.l., dlvd. lb. .995 - —
tanks, dlvd. lb. .96 - —
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver. lb. .42½ - —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .43½ - —
tanks, frt. alld. E. of Denver lb. .40 - —
Tributyl phosphate, dms., c.l., works. lb. .52½ - —
dms., l.c.l., same basis. lb. .53½ - —
tanks, same basis. lb. .50 - —
Tributylamine, dms., c.l., works lb. .67½ - —
dms., l.c.l., same basis lb. .69 - —
tanks, same basis. lb. .65 - —
Trichloroacetic acid, bots. lb. 2.00 - 2.50
Trichlorobenzene, dms., c.l., frt. alld. E. lb. .15 - —
dms., l.c.l., frt. alld. E. lb. .16 - —
tanks, frt. alld. E. lb. .13¼ - —
Trichlorobenzene prices in the West 1¾c. higher.
1,1,1-Trichloroethane, dms., c.l., dlvd. lb. .13¾ - —
dms., l.c.l., dlvd. lb. .16¾ - —
tanks, dlvd. lb. .12¾ - —
1,1,2-Trichloroethane, dms., c.l., works lb. .13½ - —
dms., l.c.l., dlvd. E. lb. .14¼ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .13 - —
dms., l.c.l., frt. alld. lb. .15 - .16¾
tanks, works, frt. equald. lb. .12 - —
Trichlorophenoxyacetic acid (see 2,4,5-T).
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45

Tricresyl phosphate, coaltar, dms., c.l., dlvd. lb. .33 - —
dms., l.c.l., dlvd. lb. .36 - —
tanks, dlvd. lb. .32½- —
Petroleum, dms., c.l., dlvd. lb. .34½- —
dms., l.c.l., dlvd. lb. .35½- —
tanks, dlvd. lb. .32½- —
Tridecyl alcohol, mixed isomers, dms., dlvd lb. .26½- —
dms., l.c.l., dlvd. lb. .28 - —
Triethanolamine, dms., c.l., dlvd. E. lb. .24½- —
dms., l.c.l., same basis lb. .26 - —
tanks, same basis lb. .22 - —
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld lb. .24 - —
dms., l.t.l., frt. alld. lb. .25 - —
tanks, frt. alld. lb. .23 - —
Triethylamine, dms., c.l., dlvd. E. lb. .50 - —
dms., l.c.l., same basis lb. .51½- —
tanks, same basis lb. .47½- —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .48¼- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .47¼- —
tanks, frt. alld. E. of Denver lb. .43¾- —
Triethyl phosphate, dms., c.l., dlvd. lb. .40½- —
dms., l.c.l., dlvd. lb. .41½- —
tanks, dlvd. lb. .38 - —
Triethylene glycol, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd. E. lb. .22½- —
tanks, same basis lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .51½- —
dms., l.c.l., dlvd. E. lb. .53 - —
tanks, dlvd. E. lb. .49 - —
Tri-isopropanolamine, dms., c.l., dlvd. E lb. .23¼- —
dms., l.c.l., dlvd. E. lb. .24¼- —
tanks, dlvd. E. lb. .20¾- —
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .30 - .305
tanks, same basis lb. .26 - —
25-40% soln., dms., c.l., works, frt. equald, 100% basis lb. .35 - —
dms., l.c.l., works, frt. equald., 100% basis lb. .35½- —
tanks, works, frt. equald, 100% basis lb. .26 - —
Trioxane, pure, dms., c.l., t.l., works. lb. .50 - —
dms., l.c.l., works lb. .51½- —
Tripentaerythritol, c.l., t.l., dlvd. E., bgs. lb. .38 - —
bgs., l.c.l., l.t.l., dlvd. E. lb. .39 - —
Triphenyl phosphate, bbls., c.l., frt equald lb. .41½- —
bbls., l.c.l., frt. equald lb. .43½- —
Triphenylguanidine, bbls., works lb. .90 - —
tanks, same basis lb. .18½- —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E lb. .21 - —
dms., l.c.l., l.t.l., frt. alld. E lb. .22 - —
tankcars and compartmented tankcars, frt. alld. E lb. .18½- —
tankwagons and compartmented tankwagons, 1,000 gals., min. frt. alld. E lb. .19 - —
Tripropylene glycol prices 1c. per lb. higher in West.
Trisodium phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib., dms., works. lb. 55.00 - —
Tung oil, dms., c.l., New York lb. .22¾- —
dms., l.c.l., New York lb. .23 - .23¼
tanks, New York lb. .21¼- —
tanks, domestic mills lb. .21 Nom.
Tungsten metal, powd., 2.0-2.5 microns, dms., works lb. 3.54 - —
Tungstic acid, tech., dms., 1,000-lb. lots, works lb. 2.15 Nom.
dms., smaller lots, works lb. 2.30 Nom.
Turkey red, bbls., works lb. .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, cns., dms. lb. .28 - .50
Tuscan red, bbls., frt. equald. lb. .26 - .32
Tyrothricin, USP, bots. gram. .54 - .57

U

Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies lb. .35 - .39½
Ultramarine blue, jobbing types, bbls., same basis lb. .19 - —
Regular types, dry bbls., same basis lb. .22½- .33
Ultramarine blue prices 1c. higher W. of Rockies.
Umber pigment, burnt, American, bgs., c.l., works lb. .07½- .07¾
bgs., l.c.l., works lb. .07¾- .08
Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .08¼- —
Umber pigment, raw, American, bgs., works lb. .07¾- .08¼
Turkey-type, bgs., works lb. .08½- .08¾
Undecylenic acid, dms. lb. 1.45 - —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E. ton. 125.00 - —
bgs., l.c.l., dlvd. E. ex whse. ton. 145.00 - —
45% N, agricultural, bgs., c.l., (30 tons) dlvd. E. ton. 110.00 - —
Urea-ammonia liquor, A and B grades, N basis, tanks, Belle, W. Va. ton. 126.00 - —
C grade, tanks, same basis ton. 124.50 - —
37 grade, tanks, same basis ton. 153.00 - —
Urethane, USP, dms., t.l., f.o.b., works lb. .63 - —
dms., l.t.l., same basis lb. .70 - —
Uva-ursi leaves, bls. lb. .17 - .19

V

Valerian root, Belgian, bgs. lb. .33 - —
Indian, bgs. lb. .29 - —
dl-Valine, dms., works lb. 21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton. 83.00 -90.00
Valonia cups, 28-30% tannin, bgs., ex dock ton. 66.00 -67.00
Valonia extract, powd., 63% tannin, bgs., ex dock lb. .11 - —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vandyke brown, bbls., works lb. .09½- .12
Vanilla beans, Bourbon, tins lb. 10.60 -10.90
Mexican, cuts, tins lb. 10.50 -10.80
whole, tins lb. 10.60 -10.90
Tahiti, cs. lb. 7.30 - 8.00
Vanillin, ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more lb. 3.00 - —
100-lb fib. dms., 500-lb. lots lb. 3.10 - —
100-lb fib. dms., 100-lb. lots lb. 3.25 - —
Venetian red, jobbing, bgs., works. lb. .0475- —
20%, bgs., works lb. .0525- —
25%, bgs., works lb. .0575- —
30%, bgs., works lb. .06 - —
33%, bgs., works lb. .0625- —
40%, bgs., works lb. .0675- —
Vetiver oil, Bourbon, cns. lb. 11.50 -15.50
Haitian, cns. lb. 11.50 -12.50
Java, cns. lb. 11.75 -12.25

Victoria blue toner, molybdated, PMA, 250-lb. bbls., dlvd. E. of Rockies lb. 4.50 - —
Victoria blue toner, bbls., prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd. lb. .20 - —
55-gal. dms., l.c.l., dlvd. lb. .21 - —
tanks, dlvd. lb. .17½- —
tanktrucks less than 4,000 gal., dlvd lb. .18 - —
Zone 2, 55-gal. dms., c.l., dlvd lb. .21 - —
55-gal. dms., l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .18½- —
tanktrucks, less than 4,000 gals., dlvd lb. .19 - —

Zone 1 is all continental U. S. except Zone 2. Zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Vinyl n-butyl ether, tech., dms., l.c.l., works lb. .50 - —
Vinyl chloride monomer, tanks, works lb. .12½- —
Vinyl ether, tech., dms., c.l., works. lb. .26 - —
dms., l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Vinyl ether, USP, anesthesia, bots., 50cc., hospitals bot. 1.12 - —
bots., 75cc., hospitals bot. 1.56 - —
Vinyl ethyl ether, tech., dms., c.l., works lb. .29¼- —
dms., l.c.l., works lb. .30 - —
tanks, works lb. .27¼- —
Vinyl methyl ether, cyls., works lb. .30 - —

Cylinders are sold outright, or if shipped against deposit, a free period of sixty days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.

Vinyl propionate monomer, dms., c.l., dlvd. lb. .49½- —
dms., l.c.l., same basis lb. .50½- —
tanks, same basis lb. .47 - —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works lb. 1.30 - —
1 to 9 dms., works lb. 1.45 - —
tanks, works lb. 1.25 - —
Vinyltoluene, dms., c.l., f.o.b., works. lb. .16½- —
dms., l.c.l., same basis lb. .18½- —
tanks, f.o.b., dest., frt. prepaid lb. .14 - —
Viosterol, in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units. 1,000,000 units. .02½- —
Virginia type red, bbls., works lb. 1.40 - —
Vitamin A acetate, syn., cryst., beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo. 67.50 - —
325,000 units per gram, same basis kilo. 43.88 - —
250,000 units per gram, same basis kilo. 33.75 - —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
Vitamin A, liq. in oil, 1,000,000 A units per gram, 1,000,000 units .10 - —

Vitamin A palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
Liq. in oil, 1,000,000 A units per gram 1,000,000 units. 10 - —
Vitamin B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin and Yeast).
Vitamin B_{12}, cryst., USP, 1-50 grams, vials, tins gram. 163.00 - —
1% vitamin B_{12}, adsorbed on resin, 100 and 500-gram bots., 1-5 kilo dms. gram. 1.93 - —
Vitamin B_{12}, oral grade solids, in containers of 1 and 10 grams of B_{12} activity gram. 150.00 - —
0.1 percent trituration of cryst., B_{12} with dicalcium phosphate or mannitol, 1-10 kilo. 188.00 - —
Vitamin B_{12}, 1% vitamin B_{12} oral grade solids, adsorbed on resin, 100 and 500-gram bots., 1-5 kilo dms. gram. 1.55 - —
Vitamin C (see Ascorbic acid).
Vitamin D (see Codliver and Fish-liver oils, Calciferol and Viosterol).
Vitamin D_2, dry, 850,000 units per gram, kilo lots kilo. 42.50 - —
850,000 units per gram, less than kilo lots kilo. 45.00 - —
Vitamin E (see a-Tocopherol and Wheat germ oil).

—Continued on page 49

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Volume 175 **January 5, 1959** **No. 1**

For a Balanced Budget

President Eisenhower has expressed a determination—at least an intention and an endeavor—to hold the financing of federal functioning in the 1959-60 fiscal year "as close to a balanced budget as possible." He has estimated the cost of that financing at seventy-seven million dollars, a cut of $2.2-billion below that set for the current year—which is expected to run into the red between ten and twelve billions, in contrast with a surplus of $1.6-billion in the preceding year. It is clearly evident that estimating on the financing of what has come to be expected in the way of federal functioning is largely, almost wholly guesswork.

In the coming fiscal year, the President will be faced with several quite inevitable budgetary roadblocks and ten times as many that cannot even be guessed at now. Primarily, it must be expected that the majority of the members of congress will be obstinately disinclined toward doing any cutting of appropriations for the programs to which they have politically committed themselves. There is a feeling in some areas of observation and appraisal that congress has a moral obligation to continue some of the currently costly spending programs, especially that for defense and, to a lesser degree, that for veterans' aid. It must be expected, however, that, if the supporters of those programs are not checkreined, their fellows who are equally concerned with such "functionings" as the subsidizing of farm-crop prices will insist upon getting similar easement. And both groups will back up their demands with the customary sort of political declaiming about the President's position on the highway program.

There is much doubt with respect of the President's expectations that progressive improvement in the business economy of the nation will result in substantial increasing of revenue by way of taxes: He has expressed an intention to avoid any general tax raise; but it is difficult to conceive what could be more general in application than the 50-percent increase in the federal gasoline tax and the 25-percent boost in the postal rate which he has proposed.

In any appraisal of the President's tax-increase proposals rt must be recognized that their basic objective is at least as much to keep the overall financing out of the red as it is to provide adequate funds for the postal service or the highway program. That is a major reason why his proposed increase in the gasoline tax has been opposed by a number of national trade and consumer organizations, encompassing not only petroleum and automotive groups but also several representing highway users and different branches of agriculture. In stating its opposition, the president of the American Petroleum Institute declared that, of $3,600,000,000 collected as special taxes from motorists in the fiscal year ended June 30, 1958, only $2,100,000,000 was allocated to the highway trust fund, the other $1,500,000,000 being put in the general fund. "If all highway user taxes were used for highway purposes," he said, "there would be adequate funds available to finance the road program without increasing the already exorbitant burden on motorists."

It will not be easy—if at all possible—for the President to get congress to hold back enough on spending programs to assure even a close approach to a balanced budget. It is doubtful that any endeavor in that direction by taxpayers would be any more effective. But, individual and corporate, they should put all they've got into such an attempt to save themselves money and to protect the nation from inflation. If they get nowhere, the only thing that might be done is that the President stiffen up on his request that the cabinet departments and other administrative agencies cut down their spending to positively irreducible minimums and make it unquestionably plain to the heads of those agencies that, if such reductions are not effected and maintained, he will revoke their appointments to their respective posts. The reasons why federal functionings cost too much are not difficult to find or identify. Under proper administrative management, it should not be difficult to dispose of them—for the good of the public.

Guidance in Science

On the recommendation of his scientific advisory committee, President Eisenhower has ordered creation of a Federal Council for Science and Technology. His advisers preferred such a setup over the earlier proposed addition of a department of science to the President's cabinet. In acting on its advice, he said that it was his hope that the council would "improve the planning and management of government research programs, facilitate the resolution of common problems, and promote greater interagency cooperation." The council is to be composed of policymaking representatives of agencies functioning in various areas of research and development. It will be headed by the President's special assistant for science and technology, Dr. James R. Killian, who is also chairman of the advisory committee.

In addition to promoting better coordination and cooperation among the several areas of federal scientific functioning, the new council is to concern itself with the projection of overall costs in government's scientific necessities, with a view to eliminating unnecessary overlapping and duplication. Under the recommendations of the advisory committee, the work of the council will be supplemented by moves to improve the administration of governmental research facilities by "avoiding undue reliance on outside laboratories, and providing greater freedom and incentive for the conducting of basic research by government scientists."

The program calls also for corrective efforts with reference to universities which are said to have had to "take funds away from the teaching of such subjects as philosophy, history, and literature to finance research for the government." In that connection it includes "encouragement of corporations and private foundations for maintaining a high level of contributions to scientific research in academic and other nonprofit institutions."

In view of the world renown that has come in the direction of US governmental science by reason of the launching of the Atlas satelite and the emphasis constantly being laid upon all sorts of governmental programs for the space age, it is encouraging for those who still believe that this country should strive for world leadership in the application of social sciences at least as much as in that of physical sciences, that the President's scientific advisers included among the objectives of essential scientific research and development the treatment of mental illness and cancer.

Activation of Foreign Trade

The mathematics of economic "experts" has always been a puzzle for those who do most, if not all, of their figuring in simple arithmetic. That condition is emphatically manifested in the comments on what this country is going to gain—and why—from the shaking up, down, and sideways of currency relationships that went on in several European nations a week or so ago. In the words of certain commentators, those "revisions" forecast increasing opportunities for US producers and exporters.

Among other bases for that prophecy is the opinion that peoples having the affected European curreneies, including francs, will be able to exchange them freely for American dollars without paying a discount, and those who wish to buy American goods need not pay a penalty in the getting of dollars. Apparently the cut of some 17 percent in the dollar—mill—value of the franc does not constitute a discount or a penalty. Is it also to be assumed, if the goldplated economic results are accepted in all faith, that there will be no discounting or penalizing of the ability of the holders of "freed" currencies to pay for their daily needs in their local markets? Certainly nobody can predict what will be the aggregate effect of the moves among the ten countries which have made them. Even simple readjustment will take time, and time is certainly going to be money—but not applicable to the purchasing of American goods, supplementarily to such legal tender as the almost 5,000 francs needed to buy a $10 article.

There is far more promise of increased exporting from this country to the variously associated countries of western Europe in the companion to the currency move which will have several effects upon the European common market and the proposed free trade zone, through the easement of the quota system, for example. That is not going to open gates for the entry of American goods as a matter of mere trading. But, it will afford opportunities along the lines suggested by a speaker on exports at the recent forum on current trade questions at the forty-fifth convention of the National Foreign Trade Council: "The way we look at 1959, we think it is going to take more work, more intensity in our effort, and we are probably going to have to do more things overseas outside of the US than we have up to now. By that I mean that we will probably have to go into some sort of fabrication overseas and ship the rest of the items from the US to put our products together."

There is a simpler opportunity in the condition created by the decision of the European Economic Community a month ago that the 10 percent reduction in internal tariffs, instituted January 1, be partially applied to all member states of the General Agreement on Tariffs and Trade, including the United States, also to all nations trading with the six ECC countries on a "most favored nation" basis.

In a strictly simple business sense, there is a deal of promise for getting into European selling in the formation about mid-October of the European Federation of Purchasing by the national organizations of purchasing agents of France, Germany, Holland, Sweden, and the United Kingdom. The office of its provisional secretary was set up at Wardrobe court, 146a Queen Victoria street, London E.C. 4, England.

Washington Talks It Over

US Chemical Men for Licensing Know-How Rights Abroad But Against Giving Them to USSR for Competitive Uses.

By Ralph L. Cherry
Chief, OPD Washington Bureau

The position of the chemical industry against letting down the bars or making it easier for Soviet Russia to obtain our technical know-how and processes should not be misunderstood. The industry isn't against licensing foreigners to use its know-how. But it is against passing this knowledge over to the Soviets who would use it for the announced purpose of taking our markets away from us.

The industry's attitude towards sharing its technological advances has been clearly shown in a recent study of the international flow of funds made by the Office of Business Economics of the Department of Commerce. This study shows that the chemical and allied products industry received a bigger share of the total receipts in 1957 from unaffiliated foreign companies for using American patents and processes than any other industry classification. And the same was true for the reverse side of the coin.

According to the department, at least 650 American firms are known to have entered into agreement with foreign unaffiliated companies to supply patents, processes, technology, equipment under rental, and other technical and proprietary assets such as copyrights and trademarks.

From these agreements American firms in 1957 derived an estimated gross return of $140 million. While the number of chemical firms involved is not shown, the study did reveal that firms in the industry shared in this total return to the tune of $30 million. This was an increase of $5 million over 1956.

The next highest amount was $23 million claimed by the electrical, electronic communication machinery, equipment and supplies group. The third ranking industry was machinery, other than electrical, which had receipts of just under $23 million.

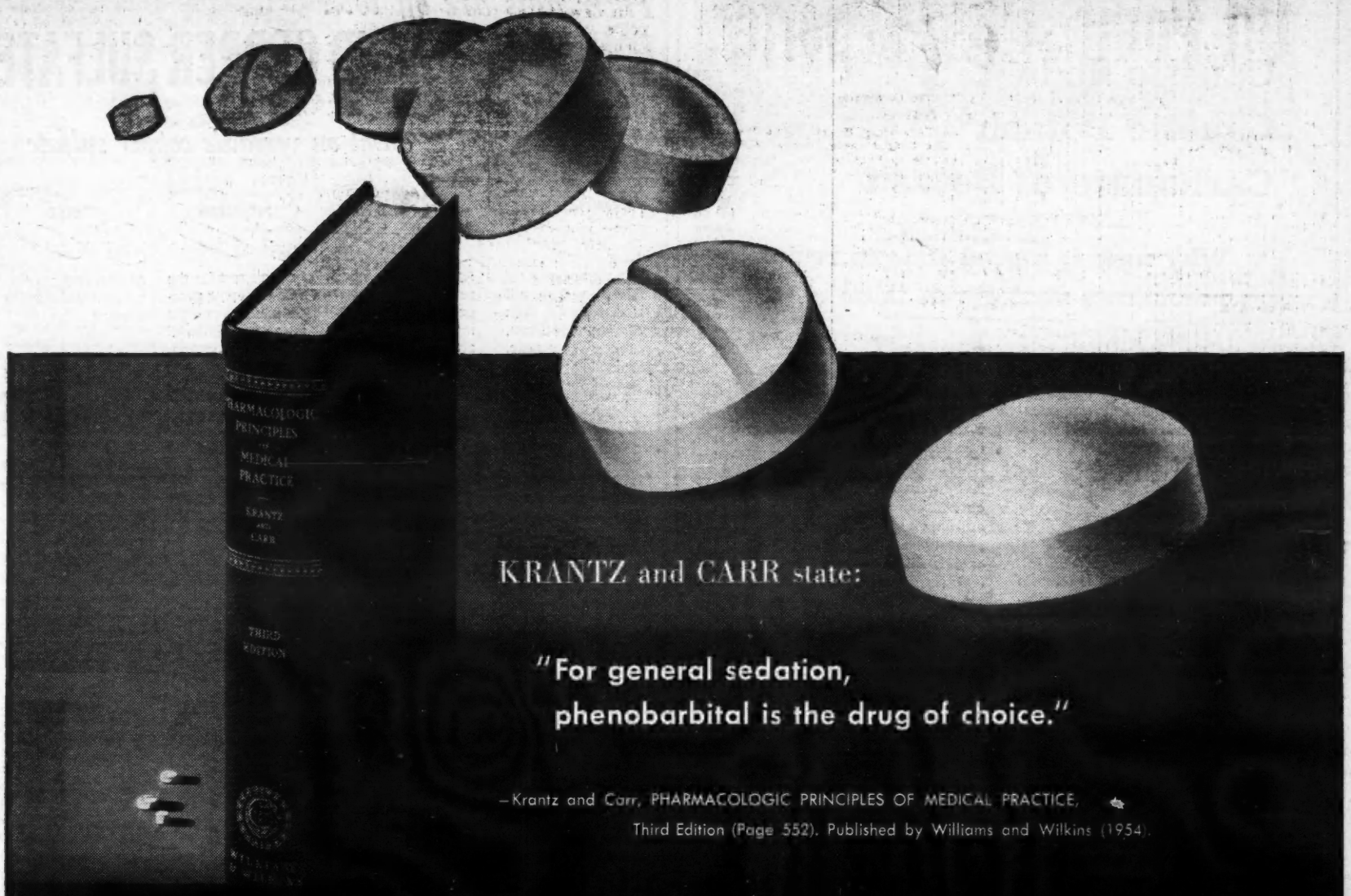
On the other side of the picture—amounts paid by American firms for use of foreign patented processes, equipment, etc.—the chemical industry again stood head and shoulders above all other industries. During 1956 and 1957, an estimated $22 was paid out each year by American firms for use of foreign patents and processes, and of this amount $12.5 million was paid by the chemicals and allied products industry in 1957 and $10.5 million in 1956.

The bulk of these payments was made to France and Germany by American drug firms and chemical firms for plastic processes, antibiotics, and tranquilizing drugs, it was explained.

FDA Aid Police in Drug Traffic War

State and local police are getting an assist from the federal Food and Drug Administration in the war against illegal traffic in barbiturates and amphetamine drugs. The agency is furnishing the police with charts and full color sketches of the drugs to help them to recognize and tentatively identify the drugs. The effects as well as the characteristics of the users are described also.

Federal authorities note that the drugs are products of reputable manufacturers and are valuable for legitimate medical purposes but that their unlawful diversion constitutes a serious problem, especially since there is a legal prohibition against sale without a doctor's prescription. The pamphlet suggests that officers suspecting illegal distribution of the drugs promptly notify proper offices and authorities.



KRANTZ and CARR state:

"For general sedation, phenobarbital is the drug of choice."

–Krantz and Carr, PHARMACOLOGIC PRINCIPLES OF MEDICAL PRACTICE, Third Edition (Page 552). Published by Williams and Wilkins (1954).

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Heavy Chemicals

In a late move, a producer last week advanced prices for magnesium carbonate, and at the same time reduced quotations for some grades of calcined magnesia. Reductions in the latter were attributed to keen foreign competition. Advances in the former were reportedly caused by an accumulation of higher production costs. Otherwise, gains were scored in borax chemicals, barium oxide, and sodium chlorate prices in the west. A factor in recovery of the caustic soda market—as well as markets for other heavy chemicals—has been the resurgence of converted flexible packaging products output.

Shipments of converted flexible packaging materials in October rose 7 percent over the September level, and represented an increase of 2 percent over October, 1957, Bureau of Census reports.

Looking ahead, chemical producers base their optimism for the future on bullish forecasts for such consuming industries as steel, paper, packaging, automobiles, and even textiles. The latter, however, is described as having had a poor 1958, and observers feel that any improvement will be welcome.

Aluminum capacity in the United States last year passed the two-million-ton mark. The Aluminum Association, which reports this fact, predicts that consumption will double the industry's present capacity by 1965, and be five times present capacity by 1975.

The American Paper and Pulp Association reported production for the week ended December 27 at 51.8 percent of theoretical capacity as compared with the revised figure of 92.4 percent for the previous week, and 49.4 percent for the corresponding week of last year.

Price Trends

Advanced

Magnesium carbonate, tech., ½c. per lb. USP, ½c. per lb.

Reduced

Magnesia, calcined, tech., rubber grade, light, 1c. per lb. rubber grade, extra light, 1¾c. per lb.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
105.92	104.39	104.50	104.84

For Current Prices see page 9

Acids

Boric—Effective last Thursday, the following new prices went into effect for boric acid:

Anhydrous: $335 per ton, bags, carlots, f.o.b. works; $19.50 per 100 pounds, ton lots, ex warehouse; and $21.75 to $23.75 for smaller lots, same basis, the lower price representing five-to-nineteen-bag lots, and the higher price, one-to-four-bag lots.

Crystal: $160 per ton, bags, carlots, f.o.b. works; $10.87 per cwt., bags, ton lots, ex warehouse, and $12.12 to $14.12 per cwt., smaller lots, same basis.

Drums were newly quoted at $185 per ton, f.o.b. works, in carlots, $12.12 per cwt., ton lots, ex warehouse, and $12.87 per cwt. smaller lots, same basis.

Granular: $108.50 per ton, bags, carlots, f.o.b. works; $8.29 per cwt., bags, ton lots, ex warehouse, and $9.54 to $11.54 per cwt., smaller lots, same basis; bulk, $102.50 per ton, carlots, f.o.b. works.

Powder: $116 per ton, bags, carlots, f.o.b. works, $8.67 per cwt., bags, ton lots ex warehouse; and $9.92 to $11.92 per cwt., smaller lots, same basis.

Drums are now priced at $141 per ton, carlots, f.o.b. works; $9.92 per cwt., ton lots, ex warehouse, and $10.67 per cwt., smaller lots, same basis.

USP boric acid remains $25 per ton higher in bags.

Sulfuric—Demand from steel gained considerable strength during the week, as the steel industry put out more material than it had all year, despite the holiday period.

Rayon and textile inquiry was also active, and the textile industry expects to see a better year in 1959 than it did in 1958. This isn't saying much, some industry sources pointed out, since 1958 in their opinion was not so good.

The paper industry came in for sizable quantities of acid, as it has for most of the year just past, despite the recession. Further improvement is anticipated by most observers for 1959.

The American Iron and Steel Institute estimates output at 2,045,000 tons, or 75.8 percent of capacity last week—the highest for 1958—compared with production of 1,840,000 tons, or 68.2 percent the previous week, and 1,501,000 tons for the corresponding period the previous year.

Bases and Salts

Ammonium Biborate — Effective last Thursday, ammonium biborate (granular) was raised to $325 per ton, drums, carlots, f.o.b. works; $20.40 per hundred pounds, drums, ton lots, ex warehouse, and $21.15 per cwt., less carlots, same basis.

Ammonium Pentaborate—On January 1, these prices were generally unchanged, although a shift in price basis from ton quantities to 100-pound lots was made for smaller amounts ex warehouse.

Ammonium pentaborate is now quoted at $193 per ton, bags, carlots, f.o.b. works; $14.23 per cwt., bags, ton lots, ex warehouse, and $14.38 to $17.48 per cwt., smaller lots, same basis.

Barium Oxide — Barium oxide prices were increased last Thursday by $10 per ton. Material assaying 94 percent was newly quoted at $275 per ton, bags, carlots or truckloads, freight equalized, with less carlots and less truckloads $10 higher per ton.

Borax—The following prices went into effect New Year's for borax:

Anhydrous: $87.50 per ton, bags, carlots, f.o.b. works; $7.19 per 100 pounds, bags, ton lots, ex warehouse; and $8.44 to $10.44 per cwt., smaller lots, same basis. Bulk, $78.50 per ton, carlots, f.o.b. works.

Decahydrate: $47.50 per ton, bags, carlots, f.o.b. works; $5.19 per cwt., bags, ton lots, ex warehouse; and $6.44 to $8.44 per cwt., smaller lots, same basis. Bulk, $41 per ton, carlots, f.o.b. works.

Pentahydrate: $63 per ton, bags, carlots, f.o.b. works; $5.97 per cwt., ton lots, ex warehouse; and $7.22 to $9.22 per cwt., smaller lots, same basis. Bulk, $56.50 per ton, carlots, f.o.b. works.

Powder: $55 per ton, bags, carlots, f.o.b. works; $6.34 per cwt., bags, ton lots, ex warehouse; and $7.59 to $9.59 per cwt., smaller lots, same basis.

USP borax remains $15 per ton higher in bags.

Calcined Magnesia — Effective last Thursday, calcined magnesia prices were reduced for some grades, owing in large part to foreign competition.

Technical light rubber grade was lowered 1c. per pound, newly quoted at 28¾c. to 30c. per pound, bags, freight equalized, as to quantity.

Technical extra light rubber grade was lowered 1¾c. per pound, to 28c. per pound, bags, carlots, freight equalized, and 28¾c. per pound, less carlots, same basis.

Calcium Chloride—In spite of the holidays, producers indicate that business continues strong. This is chiefly owing to heavy demand for use in highway ice control and cold-weather concrete applications.

Shipments are reportedly several days behind incoming orders. This situation—considered normal for this time of year—has pervailed since the onset of heavy snows and cold weather over much of the country.

Caustic Soda—Demand was fairly well sustained despite the New Year's holiday, as consumers, working from low inventories, ordered for immediate requirements.

The year 1959 looks to most chlorine-caustic producers much more encouraging than did 1958. They foresee a continued gradual increase in consumption which should last throughout the year.

Chlorine—Demand for this halogen, while having shown a good recovery over the past several months, is still not what producers would like it to be.

However, the industry feels that with the recent improvement in paper and pulp, chemicals, chlorinated hydrocarbons and other applications, business should improve during 1959.

Magnesium Carbonate—Effective January 1, technical was increased to 11c. per

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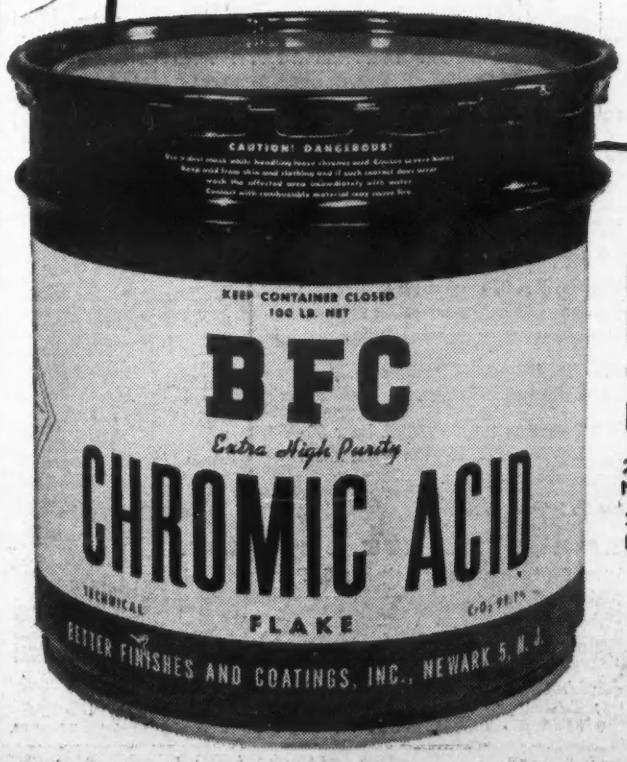

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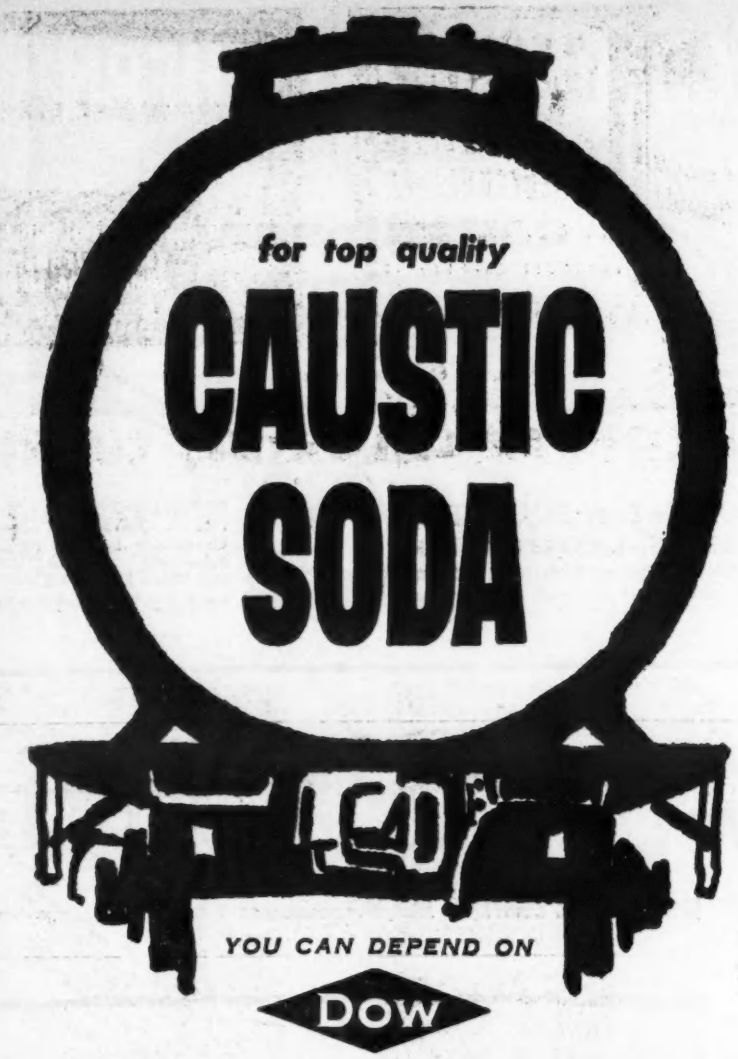

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Heavy Chemicals

pound, bags, carlots, freight equalized; 11½c. per pound, truckloads, same basis; and 13½c. to 14½c. per pound, less carlots, same basis.

At the same time, USP was increased to 13½c. per pound, bags, carlots, freight equalized; 14c. per pound, truckloads, same basis; and 15c. to 16c. per pound, less carlots, same basis.

Soda Ash—The strike at one glass works continued last week, and dense ash sales suffered accordingly. Light ash was said to be only moderately affected by the holiday period.

Sodium Chlorate—Effective January 1, a producer of sodium chlorate increased prices in the west by ½c. per pound, in 350- and 100-pound drums. While prices rose in eleven western states, quotations in the rest of the country were unchanged.

Sodium Metaborate — The following price changes went into effect January 1 for sodium metaborate:

Octahydrate: $102 per ton, bags, carlots, f.o.b. works; $8 per cwt., bags, ton lots, ex warehouse; and $9.25 to $11.25 per cwt., smaller lots, same basis.

Tetrahydrate: $210 per ton, bags, carlots, f.o.b. works; $13.93 per cwt., ton lots, ex warehouse; and $15.18 to $17.18 per cwt., smaller lots, same basis.

Nonferrous Metals

Copper—Market was fairly quiet, and remained firm. Primary producers held quotations at 29c. per pound delivered US destinations, for electrolytic metal.

Mercury—Metal remained quiet and easy, and was quoted at $220 to $224 per flask, spot.

Silver—Bullion was unchanged, priced at 89⅞c. per troy ounce, spot, on Friday.

Tin—Straits metal fluctuated narrowly last week, and was quoted at 99c. per pound, spot, on Friday.

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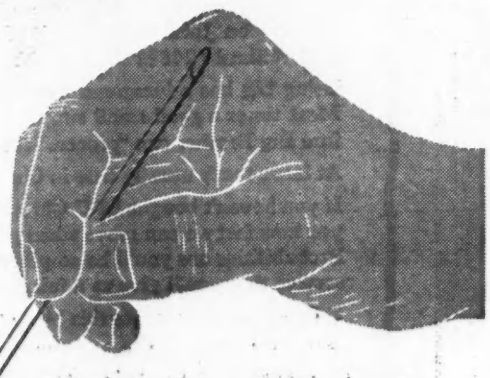

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Allied Chemical Corporation's National Aniline Division, New York, has issued a research note on new research material which includes calculation needed in urethane technology and which will serve as reference matter. The brochure explains technical terms used in the formulation of urethane foam, coating and adhesive and provides information about equivalent weight of reactants. Copies may be obtained by writing to National Aniline Division, NA46, 40 Rector street, New York, 6.

Emery Industries, Inc., Cincinnati, Ohio, issued a new brochure containing specifications and characteristics of its **fatty acid** products. The brochure is a revision of last year's publication. The revision covers "Emersol" stearic and oleic acids, "Hyfac" hydrogenated fatty acids and glycerides, and Emery vegetable and animal fatty acids. Also included is a list of Emery literature currently available. Copies of the brochure are available by writing to Emery, Department 5, Carew Tower, Cincinnati, 2.

Ungerer & Co., New York, has issued an entirely new catalog of its **essential oils and aromatic chemicals.** Also included is complete data on "Ungerer-Vidal Charvet," perfume specialties and a wide range of flavors, complete with usage tablets. Copies are available on request by writing to Ungerer at 161 Avenue of the Americas, New York, 13.

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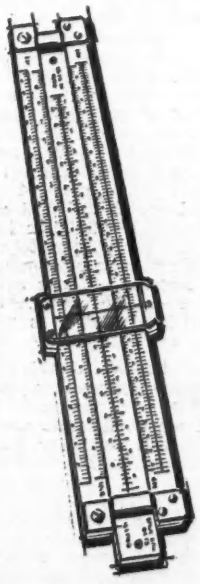

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Agricultural Chemicals

Conditions in the agricultural chemicals market closed on a steady basis at the end of 1958. The price structure remained firm at prevailing levels for most materials. Prospects for business next year were optimistic and the brisk demand which prevailed during the last quarter of this year was expected to continue into next season. DDT was firmer and quotations were raised 1 cent per pound for spot delivery by another leading producer, while contracts were booked at unchanged prices. The firmness of this material has been accentuated by the purchase of 25,000,000 pounds of 75 percent wettable powder by the International Cooperative Administration for February-May delivery. This business was in addition to the recent contract for 27,000,000 pounds placed by the government for the World Health Anti-Malaria Program.

Higher prices became effective January 1 at previously announced schedules for the following materials: Ammonium nitrate, $3. per ton; anhydrous ammonia, $4. per ton; nitrogen solution, $6. per ton; potassium muriate, 2½ cents per unit ton and potassium sulfate, 3 cents per unit ton.

Animal and plant pests in 1958 were fought incessantly by the Department of Agriculture. Several animal and plant pests were nearly wiped out, including the cattle fever tick, psoroptic cattle scabies, vesicular exanthema of swine, Mediterranean fruit fly and Hall scale of stone fruits, but the battle continues under close surveillance. The imported fire ant has been eradicated from 50 counties in nine southern states since the beginning of a campaign in 1957.

Treatment of large areas of northern forests with DDT in 1957 and 1958 to halt spread of the gypsy moth brought good results. Moths were found in only three traps this year in the treated areas of Pennsylvania, New Jersey and New York. Despite domestic control and quarantine programs some crop pests spread into or were discovered in new areas—namely the cotton pink bollworm, soybean cyst nematode, rice disease, and the Japanese beetle. Control or eradication measures against these pests continue.

A $3-million program aimed at eradication of witchweed, parasite of corn and related crops, got under way in North Carolina and South Carolina.

Price Trends

Advanced

Ammonium nitrate, $3 per ton.
Anhydrous ammonia, $4 per ton.
DDT, spot, 1c. per lb.
Nitrogen solutions, $6 per ton.
Potassium muriate, 2½c. per unit-ton.
Potassium sulfate, 3c. per unit-ton.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
112.01	111.11	110.99	108.65

For Current Prices see page 9

Animal and Plant Foods

Ammonium Nitrate—Firm tone ruled in this market. Improved demand was noted for delivery against current contracts. Higher price schedule became effective, January 1. Domestic fertilizer grade, 33.5 percent N has been raised $3 to $68 per ton, paper bags, carlots, f.o.b. works, and Canadian grade to the same level at shipping point, freight equalized to the East.

Anhydrous Ammonia—Effective, January 1 the price schedule was advanced $4 per ton. Anhydrous fertilizer grade was raised to $88 per ton, tankcars, works, freight equalized for delivery east of the Rockies; the refrigeration grade $90.50 per ton and aqueous, 29.4 percent, anyhdrous, $91 per ton same basis. Active demand was reported against standing contracts for delivery after the turn of the year.

Animal Proteins—Scarcity of domestic fish meal has resulted in increased interest in the foreign material. A good volume of business recently took place in imported meal on the basis of $160 per ton, f.o.b. port of entry for January-February shipment. Light stocks of domestic meal were maintained at $160 to $162 per ton, works, f.o.b. Atlantic coast. Fish scrap was practically unavailable and quoted nominally at $156 to $158 per ton, same basis.

Firm tone featured the dried blood and tankage market. Offers were limited and maintained at prevailing prices. Dried blood recently sold up to $7.50 per unit ton Chicago and $6.75 per unit ton, New York basis. Tankage was firm and sales were noted up to $7 per unit ton, New York and $8 per unit ton, Chicago.

Nitrogen Solution—Price schedule for ammonium nitrate and urea was lifted $6 per ton, effective January 1. Tankcars were boosted to $120 per ton for delivery east of the Rockies and $1.20 per unit ton, same basis. Market was steady, with steady demand reported for delivery against contracts placed before the higher listings became effective.

Potash—The revised price list for potash announced last July became effective January 1. Standard muriate of potash was increased 2½c. per pound to 34½c. per unit ton, bulk, carlots, works and 60 percent to $25.60 per ton, carlots, bagged, same basis on all contracts booked prior to July 1, 1958 for delivery January through May inclusive 1959. The granular grade also was up 2½c. to 35c. per unit ton and $25.90 per ton same basis. Sulfate of potash, agricultural was raised 3c. to 67½c. per unit ton, works for January-May 1959 delivery. Consumption of potash for agricultural mixes during 1958 was placed at 84.6 percent; industrial purposes, 6 percent and direct application 9.4 percent.

Phosphate Rock—Steady tone prevailed in this market. Deliveries continued to move in good volume against former contracts. Prices were maintained at unchanged levels.

A deposit of phosphate rock has been discovered near Hermanas, Mexico, known as the Garza deposit, it was reported by the Magnolia Petroleum Company. According to plans, tonnage quantities will be sent to Texas where it will be ground for the feed trade and priced at $48 per ton bagged f.o.b. plant near Eagle Pass. Shipments in December totaled 53 carlots, with average phosphate content of 31.09 percent. Production may be increased to 6,000 tons monthly.

Pesticides

A new insecticide—an organophosphorous compound known chemically as (0-(4-tertbutyl-2-chlorophenyl) O-methyl-methylphoramidothioate) has shown promise and versatility in experimental use for the control of cattle grubs, it was reported by the Department of Agriculture. It can be administered either orally or as a spray.

Used orally, the compound at the highest test dosages used provided control amounting to 94 to 100%. Used as a spray, it provided 99 to 100% control.

Experimental treatments were most effective when the dosage administered in bolus or capsule forms amounted to 20 to 25 mg. of the new chemical to each kg. (about 2.2 lb.) of body weight of the test animals. Results were fair, however, when oral dosages of only 4 to 15 mg. per kg. of body weight were given. Nearly perfect control resulted when 4 qt. of spray were used per animal, but a 2-qt. application provided about 70 to 80 percent control. The spray formulation included a wettable powder containing 0.75 percent active material. Sprays were applied under an operating pressure of 250 to 300 pounds. The product is not yet available to the cattle industry.

DDT—Strong tone featured this market. Stocks were limited and another producer raised spot delivery 1c. per pound, effective January 1 while contracts were unchanged. Lump and flake for spot delivery was advanced to 23c. per pound, bags, carlots and 24c. for smaller lots. Contracts were unchanged at 22c. per pound for carlots. It was reported that additional government contracts were placed for 25,000,000 pounds of 75 percent wettable DDT for delivery from February 15 to May 1, 1959. This amount was in addition to the recent government order for more than 27,000,000 pounds from the General Service Administration for the World Health Anti-Malaria Program.

A combination of DDT with methyl parathion as an insecticide for use on cotton was highly recommended at the recent meeting of the cotton council.

Petroleum Derivatives

Congress appears to be preparing to step in where the administration has feared to tread. Moves are afoot in senate and congressional chambers to legislate an oils import program which the administration has been called derelict in producing. At present the imports situation is being ruled by an extension of the voluntary program. One outspoken advocate of congressional intercession has already denounced the administration's lack of program and stated last week that the imports problem now is up to the legislators. Producers feel that developments will inevitably be felt in the derivative's picture, "whichever way the ball bounces." In the market last week, prices remained static with producers still waiting for the economy to gather its second wind. Producers still pin their hopes to a slow unwinding during this first quarter of the year. However, most concede that many blocks stand in the way of any strong improvement in the situation. Coaltar producers of benzene say that contracts remain at about the same level as last year. 1958 was somewhat off from the previous year in this respect for coaltar benzene. Toluene manufacturers say that demand from aviation gasoline producers continues pretty much on an even keel.

The daily production of liquefied gases at refineries in October was 6.1 million gallons, 3 percent above a year ago, according to a report by the Bureau of Mines. The daily average production of LPGs at natural gasoline and cycling plants totaled 19 million gallons, increasing 3 percent above a year ago. The daily average demand for liquefied gases for fuel and chemical uses was 19.3 million gallons, decreasing 8 percent from October, 1957, the government report notes. Underground stocks of liquefied gases on October 31 totaled 723 million gallons, a decrease of 7 million gallons during the month.

American Iron and Steel Institute estimated that steel production in the week ended January 4 would be 75.8 percent of capacity equivalent to 2,045,000 net tons of steel. Output was 1,840,000 net tons in the week previous, 1,985,000 in the comparable week one month ago, and 1,501,000 tons in the corresponding week one year ago.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
104.54	104.54	104.54	106.74

For Current Prices see page 9

Solvents and Diluents

Benzene—This material, heading into 1959 with two strikes against it, appears to continue to hold the loyalty of a number of patiently hopeful producers and wouldst be producers. According to one manufacturer of petroleum benzene, not only are a number of plants in production now keeping output far above national consumption levels, but also, one or two producers are contemplating further production facility developments. The contention is that though the present and immediate future may look to be on the lean side, the long-term future looks somewhat more promising. Currently on the con side of benzene market stability is the contractual commitment of a major styrene producer to import large quantities of foreign benzene, coupled with the continued lamentable inability of Detroit and other business to right the general economy. However, and despite these factors, hope prevails on the pro side.

Mineral Spirits—Producers see no shift in the price strtucture of this material during the coming months. Conditions prevailing last year showed a letdown in industrial sales, while sales during the construction period seasonal market appeared to continue to climb. Somewhat the same pattern is anticipated this year, producers say. Producers hold out little hope for any strong show of strength out of Detroit during the next months. However, if the priming program that appeared underway last year, through the construction industry, hope for further strength in that field might be anticipated.

Lacquer Diluent — The situation here seems to remain constant, producers say. Nothing has materially changed on the market scene for lacquer diluent for some time. Prices prevail at previous levels; demand likewise remains unmoving.

LPG's

Propane—Production of this material during October amounted to 415,547,000 gallons, according to the Bureau of Mines. Stocks at plants, terminals and underground amounted to 585,281,000 gallons on October 31 as compared with 526,874,000 gallons on hand on September 30. Demand for October, the report notes, amounted to 5,082,000 gallons in deliveries from plants and terminals for use in gasoline and 351,008,000 gallons for other uses.

Butanes—Production of this material in October was tallied by the Bureau of Mines at 150,286,000 gallons at plants and 33,012,000 gallons at refineries. Stocks at plants, terminals and underground were computed in the report at 181,311,000 gallons on October 31 as compared with 217,059,000 gallons on hand on September 30. Demand for October, according to the report, amounted to 102,637,000 gallons in deliveries from plants and terminals for use in gasoline, and 116,913,000 for other uses.

Waxes, Minerals

Microcrystalline—Producers are in general agreement that 1958 was not all it might have been for this petroleum wax. Nearly all of the troubles are laid at the feet of the business recession that held such sway through most of last year. However, producers also mark feelers projected by plastic manufacturers into areas dominated by this wax. Of special interest was a plastic container being tested in the field as a milk container. This has been a strong market for wax in coated cardboard containers.

Paraffin—This material works somewhere in the shadow of microcrystalline wax. Here also, producers say that last year might have been better. As with microcrystalline makers, the suggestion is made that 1959 will have a healthier tone to it.

Miscellaneous

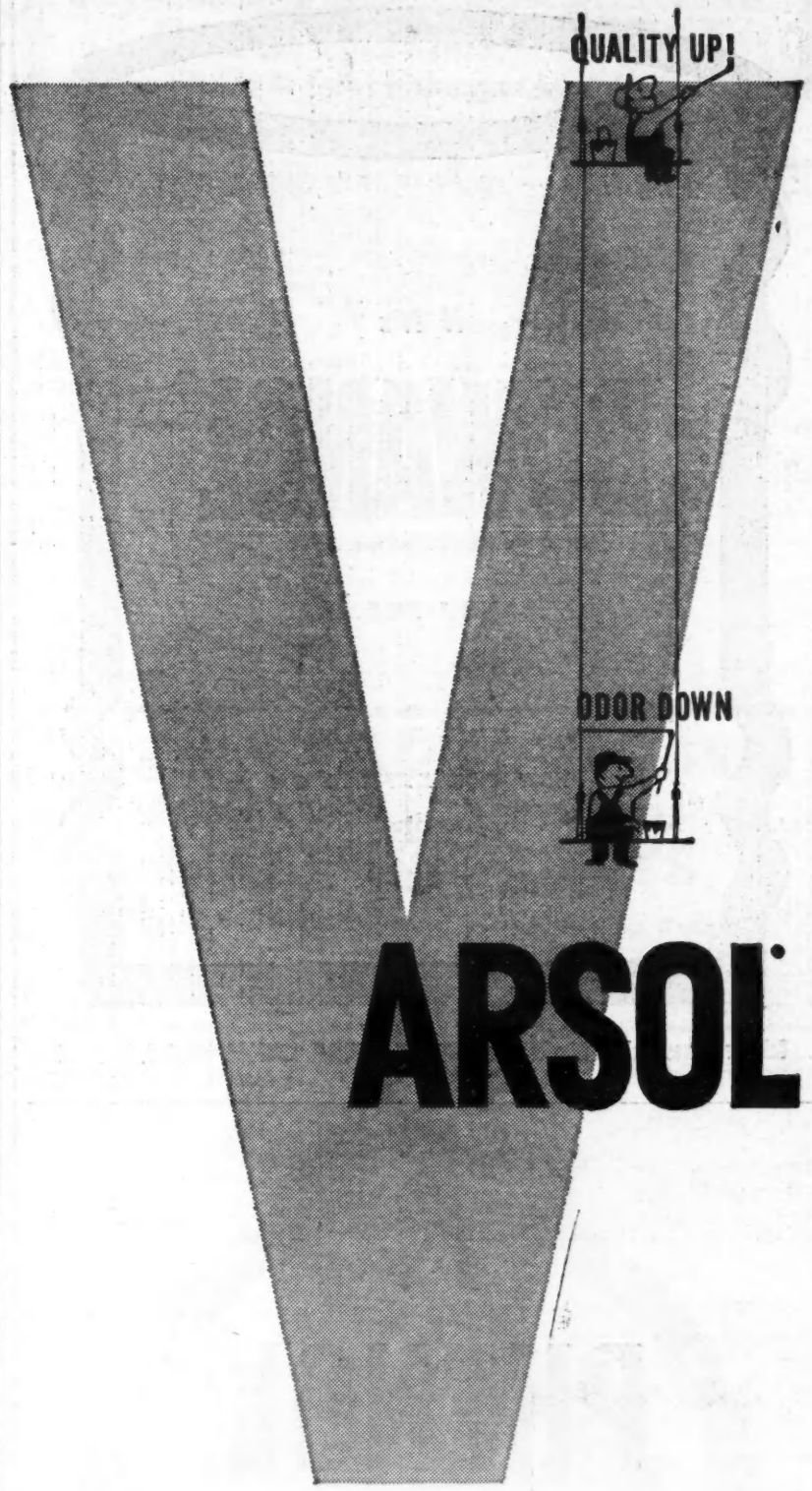
Crude Oil—The amount of domestic crude oil that will be consumed or exported in January, 1959, is estimated by the Bureau of Mines at 7,250,000 barrels daily, compared with 7,130,000 barrels daily forecast for last month (December). Crude runs for Januarry are expected to be 120,000 barrels daily above the December average.

Domestic demand for all oils in 1959 is forecast at 9,378,000 barrels per day and total demand at 9,646,000 barrels per day. Exports are expected to be lower than in 1958 and domestic demand will increase 4.3 percent while the increase in total demand (which includes exports) will be only 4 percent.

Crude oil production is forecast at 7,280,000 barrels daily, 8.6 percent higher than in 1958 and crude runs to stills to supply the forecast demand should average 8,136,000 barrels daily, up 6.8 percent for the year.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 20 totaled 262,861,000 barrels, according to data reported by the Bureau of Mines. Compared with the total of 258,719,000 barrels the preceding week, this represents an increase of 4.142,000 barrels comprising an increase of 2,383,000 barrels in stocks of domestic crude and an increase of 1,759,000 barrels in stocks of foreign crude.



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Aliphatic Organics

This time last year, trade reports—which till then had soft-pedaled any note of recession—struck the first chord in the business blues, a melody that lingered on till mid-third quarter when a reversal of the year-long downtrend encouraged the trade to sing a happier song. Now having watched sales improve modestly in many instances, spectacularly in others since Labor Day, the majority of people in the organic chemicals industry have their sights set on a continuance of the uptrend—at least for the duration of the first quarter, which appears to be the tacitly agreed upon cut-off date for crystal ball gazing.

Trade members representing diverse areas of the organic chemicals industry, recently contacted by OPD, mentioned almost to a man that they expected an early bloom in demand this month. Boosting sales, they said, will be the widespread need to rebuild inventories allowed to dwindle to a minimum in the final weeks of '58. But seen as the principal sales primer—especially by solvents producers and manufacturers of raw materials for synthetic rubber and plastics—was the stepped-up activity out Detroit way, the recent settling of a major strike there and the climbing rate of new car sales that may see '59 auto output go beyond the already estimated 5½ million units.

But besides this additional measure of confidence in future business prospects, the new year brought few developments to the organic chemicals market. Price-wise, there was considerably less activity than had been noted in previous years. Advances were recorded for coconut oil-derived fatty alcohols, while reductions were posted for epichlorohydrin and ethylhexyl acrylate.

Also, less carlot listings were upward revised for many solvents and chemical intermediates sold on a delivered basis. Change amounted to ½ cent, extending the c.l.-l.c.l. spread to 1½ cents, for all but isopropyl alcohol, upped 3 cents to a spread of 10 cents. In taking this action, producers said they hoped to improve the profit return on small shipments, revenue from which had long since been cut to the marrow by increased drum and freight charges.

The most notable thing that didn't happen January 1 was that formaldehyde and methanol listings were not advanced as had oft-times been predicted in past months. Now the seers have moved up the likely date for such action to April 1.

Amines — Producers upped the less carlot listings on the various amines by ½ cent, effective the first of January, extending what had been a cl-lcl spread of 1 cent to 1½ cents. Move was made, reportedly, to compensate for mounting freight and drum costs that had narrowed already slim profit margins of these chemical intermediates.

Butadiene—Reports that sales of '59 model cars are steadily increasing from month to month is good news to butadiene producers—as well as to those who supply chemical accelerators and other products to the rubber industry. Accounting for 60 percent of annual US rubber consumption, automotive tire requirements if great enough could more nearly bring into balance actual butadiene output and productive capacity.

Total demand for synthetic rubber during 1958 has been estimated at 850,000 tons, representing about 65 percent of the overall domestic rubber market. Possibly reflecting to some degree this increased usage of synthetic rubber in the past year, butadiene output in October climbed to 141,788,516 pounds from 125,636,177 of the previous month.

Epichlorohydrin—Solitary price reduction posted January 1 was a 3 cents per pound drop in tankcar and truckload listings (2½ cents on less than carload quantities) of epichlorohydrin. New schedule reads 30c., 32½c., and 34c. a pound, on a delivered basis.

Ethyl Alcohol—Approximately 4.6 million wine gallons of molasses were used in the manufacture of ethyl alcohol during October, compared with 3.2 million in the preceding month, and 6 million in October, 1957, according to statistics released by the Internal Revenue Service.

Ethylhexyl Acrylate—The recently announced 5 cents per pound across-the-board reduction set-up the following schedule on a delivered basis: tankcars, 40c.; carloads, 42½c., and less carload quantities, 43½c. per pound.

This, the third price drop recorded for ethylhexyl acrylate during the past 12 months, was said to have been made possible by increasing volume of production. It was also said to reflect the producer's desire to expand end-uses for the chemical.

Fatty Alcohols—New and higher prices for certain of the coconut oil-derived fatty alcohols were posted to the books, as scheduled, January 1. Effected by the change were octyl, decyl and lauryl alcohols which are used in the manufacture of detergents, oil additives, plasticizers, emulsifying agents, cosmetics and in organic synthesis.

According to one of two producers to announce revised schedules, a 30 percent increase in the price of coconut oil, occasioned by limited supply in face of strong worldwide demand, necessitated a corresponding readjustment in fatty alcohol listings.

Isopropyl Alcohol—The carlot-less carlot differential was extended to 10 cents, previously a 7 cent spread, by all producers January 1. Less carlot listings on allyl, amyl and butyl alcohols were ad-

Price Trends

Advanced

None

Reduced

Epichlorohydrin, tanks, c.l., 3c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
130.63	130.66	130.73	131.06

For Current Prices see page 9

Ethyl Alcohol: October

Volume of ethyl alcohol produced, withdrawn and remaining as stocks at the end of the indicated periods, as reported by the Alcohol and Tobacco Tax Division, Internal Revenue Service: Domestic undenatured alcohol production represents gross production (original production plus production by redistillation) less the quantity consumed in redistillation. Stocks of domestic undenatured alcohol consist of quantities at industrial alcohol bonded warehouses and denaturing plants. Data on completely and specially denatured alcohol represent alcohol produced from domestic and imported alcohol and spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol).

NET PRODUCTIONS	Oct. 1958	Oct. 1957	July 1, '58 Sept. 30, '58	July 1, '57 Sept. 30, '57
Undenatured ..... proof gals.	40,470,468	40,619,087	157,636,461	156,857,293
Completely denatured..... wine gals.	91,928	73,653	248,655	201,369
Specially denatured..... wine gals.	22,555,410	22,144,835	86,246,490	80,725,671
WITHDRAWALS				
Undenatured tax paid..... proof gals.	583,424	942,466	2,533,666	3,380,472
Tax free..... proof gals.	42,301,027	41,404,687	161,770,835	157,138,887
Completely denatured..... wine gals.	91,650	67,573	245,428	180,743
Specially denatured..... wine gals.	22,639,424	22,917,608	85,341,454	81,003,029
STOCKS AT END OF PERIOD				
Undenatured ..... proof gals.	26,568,633	24,456,280	26,568,633	24,456,280
Completely denatured..... wine gals.	21,483	4,948,280	6,995,291	4,948,280
Specially denatured..... wine gals.	6,995,291	29,278	21,483	29,278

Aliphatic Organics

vanced the same date but here the change amounted to ½ cent.

Methyl Ethyl Ketone—The less carlot listing on methyl ethyl ketone was advanced ½ cent, extending the cl-lcl spread to 1½ cents, the first of the year. Similarly revised were acetone, ethyl acetate, and a host of other solvents sold on a delivered basis.

Looking ahead to '59, sellers of MEK and other solvents as well see business prospects as bright and getting brighter. Principal reason for the optimistic outlook, most in the trade agree, is that new car sales are going along at a good clip—in fact, there is a tendency to upward revise estimates of total '59 auto output from the already projected 5½ million units.

As a result, it's felt that automotive finishes manufacturers will soon increase their solvent requirements since they have generally been rather reluctant to build up much inventory either of raw material or end-product since first indications of a good car year ahead were evident in November.

Sources said that the auto refinishing market represented about a 1 million pound outlet for solvents during 1958. This year's requirement should be at least that amount or more, they added.

Improvement in the business climate should also increase furniture sales, which would further bolster lacquer, and thus solvent sales.

Molasses—Markets for feeding cane molasses firmed up during the week ended December 23, Agricultural Marketing Service reported. Demand continued to improve due partly to heavier winter feed requirements which fact, the government agency said, helped to strengthen prices. At New Orleans, for example, the quote went up ½ cent to a range of from 12½c. to 13c., with most transactions completed at the higher price. Elsewhere in the country, prices advanced ¼c. to ¾c.; blackstrap markets were unchanged on the east and west coast, however.

The Louisiana Sugar Exchange reported sales of 25 cars of blackstrap molasses by producers to distributors on December 23 at 13c. per gallon. Other sales durng the week included 15 cars on December 17 at 12½c. per gallon and 15 cars on December 19 at 12¾c.

Jobs & People

American Cyanamid Company, New York—**George B. Bonsper**, manager of Cyanamid's explosives manufacturing plant in Springville, Utah, retired January 1 after more than fifty years in the explosives industry. Other chemical firms he had been with include E.I. duPont de Nemours & Co.; Hercules Powder Company and Aetna Explosives Company.

Eli Lilly & Co., Indianapolis, Ind.—**William R. Hutchinson** has been named director of sales for the east-central region. He succeeds **Walter E. Nelson**, who died November 1. Mr. Hutchinson was previously administrative assistant to Lilly's vice-president in charge of marketing.

Monsanto Chemical Company, St. Louis, Mo.—**Dr. Helmut L. Merten** has been named group leader for oil additive research in the firm's organic chemicals division. Dr. Merten was previously a research chemist.

Parke, Davis & Co., Ltd., Montreal, Canada—**Frank A. Kehrig**, branch house manager for Parke, Davis in Montreal, has been named assistant manager in charge of internal operations for the firm's Toronto branch. He replaces **H. T. McQuade** who has been named Canadian branch house manager.

Sherwin-Williams Company, Cleveland, Ohio—**John B. Sanford**, general manager in charge of traffic, has retired after more than forty years with the firm. Mr. Sanford had held the top traffic post since 1930.

Union Carbide Chemicals Company, Division of Union Carbide Corporation, New York—**Norman R. Cox, Dr. Robert G. Kelso**, and **Dr. Fred W. Stone** have been appointed group leaders in the development department. Mr. Cox will work on process development on a pilot-plant scale, and Drs. Kelso and Stone will work on process and product development on a pilot-plant scale.

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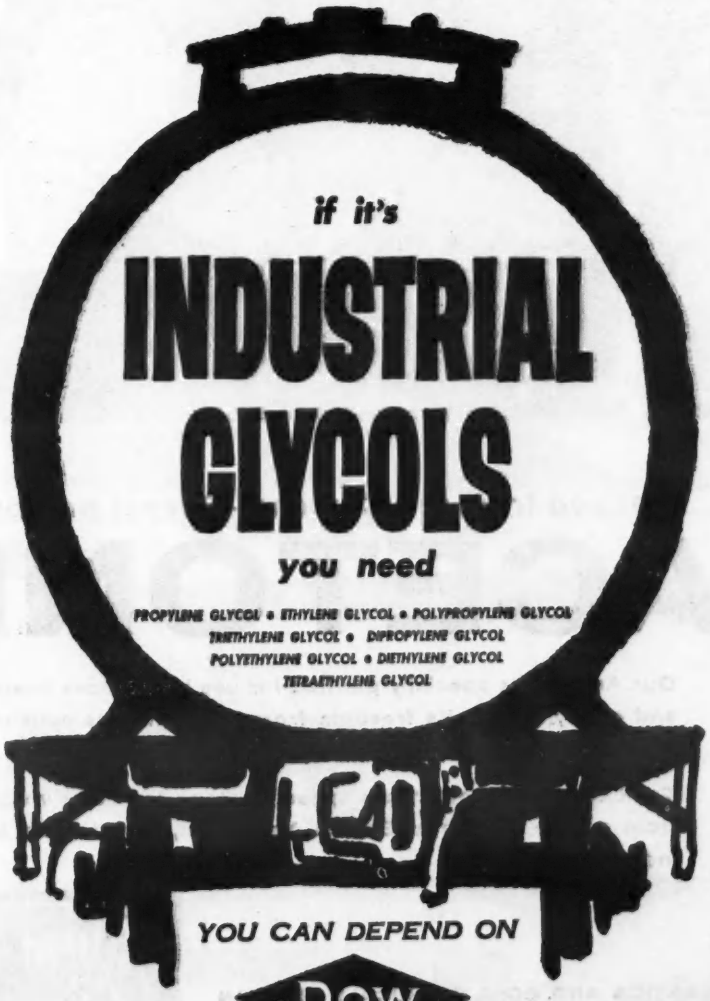

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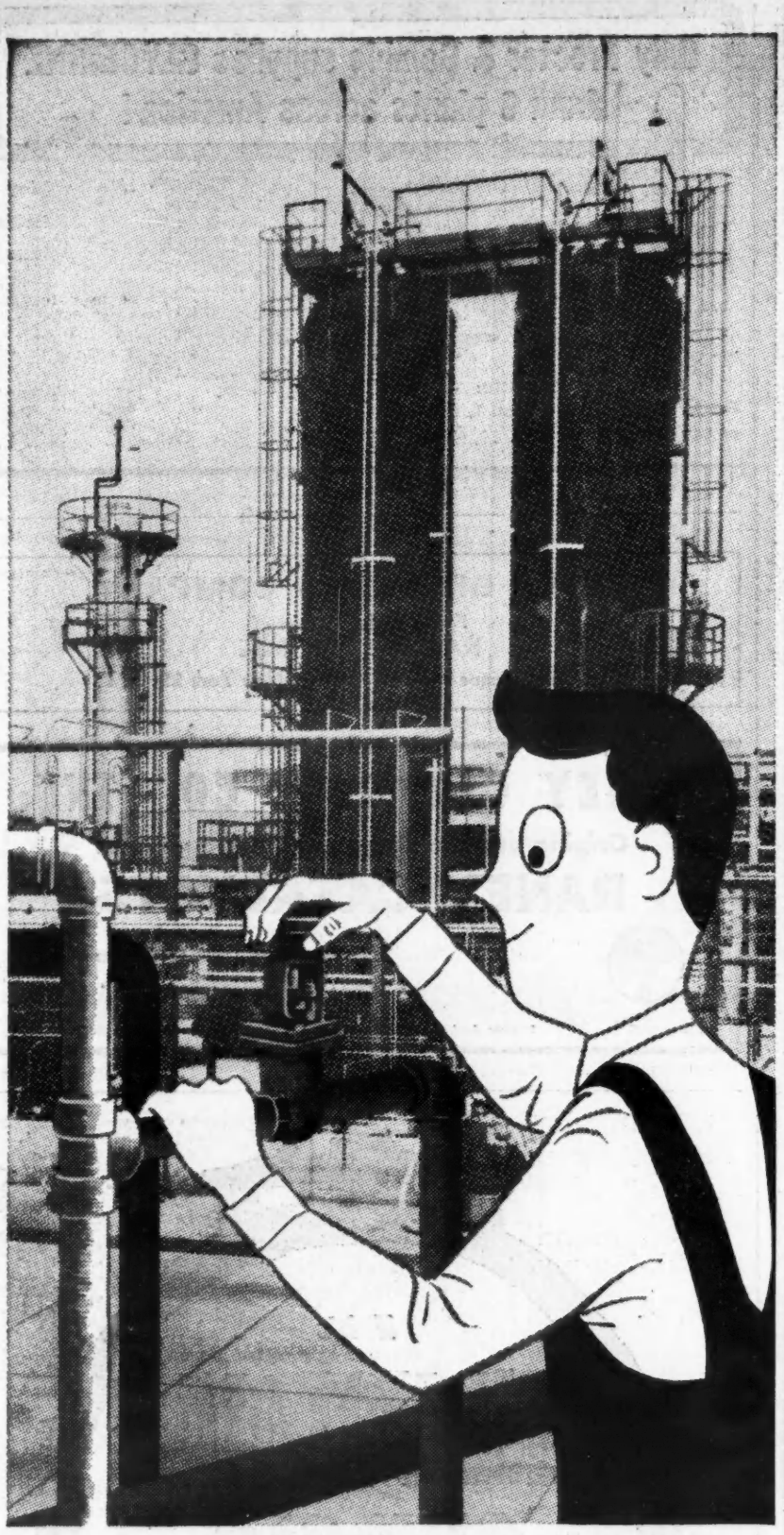

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Coal Chemicals

January 1 price advances went into effect on a number of dyestuff intermediates last week. Included were peri, gamma and J acids, all increased 25 cents per pound on spot and contract. o-Nitrotoluene was advanced 2 cents per pound across the board, and o-toluidine was hiked 3 cents per pound. o-Tolidine, base and hydrochloride, were raised 5 cents per pound. Styrene monomer, technical, for use in the rubber industry, was advanced 3/100 cent per pound in accordance with quarterly contract escalation clauses on this item. Market for pentachlorophenol was quiet after a 1 cent reduction two weeks ago. Carload or truckload quote on penta was set at 21 cents per pound in bags and 22 cents in drums.

Trading in light oils was slow, although sources said volume had held up well considering the time of year. Steel operating rate was expected to be the highest since October of last year. There was speculation on whether heavier steel buying by auto concerns meant a genuine improvement or whether consumers were already hedge buying against a possible steel strike when contracts run out in June.

Tar acids markets held to moderate volume. An increase in volume for both USP and natural phenol has been noted in recent months. Added buying was felt to be a result of a pickup in the general business level rather than the reduction in phenol markets which took place in November. Tar bases remained sluggish. Import naphthalene was higher in a range of 4¾ to 5 cents per pound. Suppliers were well sold up for the first quarter.

An upturn in the rubber industry continues to benefit rubber accelerators and antioxidants, not to mention the billion pound styrene monomer market. The Tariff Commission reported production of styrene monomer in October amounted to 112.6 million pounds, the high for the year. Output dipped to around 85 million pounds during the first half of the year.

Basic Products

Benzene—Trading remained slow. Steel production jumped to 75.8 percent after going below 70 percent during the Christmas holiday week. Sources felt benzene consumers would continue to limit their buying to nearby need in the coming year, as material is expected to remain in fully ample supply for some time to come. Price was unchanged at 31c. per gallon.

Creosote—Advanced prices went into effect on creosote and solutions the first of this month. Listing in tankcars was established at 22c. per gallon in tankcars for straight creosote oil. Coaltar for solutions was set at 17c. per gallon, and creosote solutions were advanced on this basis at Atlantic and Gulf Coast ports and at most producing plants.

On the West Coast, price on straight oil was set at 24c. per gallon and coaltar for solutions was listed at 20c. per gallon. Market remained sharply competitive, according to trade sources.

Buying by railroads continued sluggish for wood preservative use. Withdrawals for use in treatment of utility poles and farm and highway use was routine, it was said.

Phenol—Producers reported no appreciable upturn in volume as a result of the declines in this market in November. Withdrawals have been steady, it was said, and volume was up somewhat, in concert with the improvement in the general business climate during the last quarter of 1958. However, this material remains in fully adequate supply and was expected to remain so for some time to come.

Solvent Naphtha—Bureau of Mines reported cokeoven production of crude heavy solvent at 412,656 gallons as against 374,599 in the previous month and 526,900 gallons in the comparable month last year. Output in the first ten months of this year amounted to 3,473,761 gallons as compared to 5,069,800 gallons in the corresponding period last year.

Sales of crude heavy solvent in October were 484,182 gallons as against 319,251 in the month previous and 509,400 in the comparable month last year. Sales in the first ten months of the year totaled 3,376,754 gallons and 4,986,700 gallons in the ten-month period last year.

Stocks, end of month, amounted to 292,241 gallons in October, 369,846 gallons at the close of September, and 331,111 gallons at the close of October, last year.

Tar Acids—Markets were unchanged from levels of long standing in the trade. Cresols and cresylics volume had leveled off in December from the high levels attained during the two previous months. However, the fourth quarter served to put a better front on what was a fairly grim picture during the first part of the year. Prices were expected to hold over the weeks immediately ahead.

Toluene—Cokeoven production of nitration and industrial pure toluene during the month of October amounted to 2,721,943 gallons as against 2,444,078 gallons in the previous month and 3,340,700 in the comparable month last year. Output in the first ten months of the year amounted to 22,945,893 gallons as against 32,556,400 during the ten-month period last year.

Sales in October were 3,038,837 gallons as against 2,276,423 gallons in the previous month and 2,828,100 gallons in the corresponding month last year. Sales in the first ten months of the year amounted to 22,655,863 gallons as against 31,941,400 gallons in the like period last year.

Stocks at the close of October amounted to 3,395,024 gallons as compared to 3,839,986 gallons at the beginning of the month and 4,089,775 gallons at the end of October last year.

Xylene—Price was unchanged at previously reported levels. Demand leveled off in December, after the improvement noted in October and November. Cokeoven stocks remain in balance. Overall supply from petroleum and cokeoven sources was fully adequate for trade requirements.

Price Trends

Advanced

F salt, 20c. per lb.
Gamma acid, 25c. per lb.
J acid, 25c. per lb.
Peri acid, 25c. per lb.
o-Nitrotoluene, 2c. per lb.
Styrene monomer, tech., 3/100c. per lb.
o-Tolidine, base and hydrochloride, 5c. per lb.
o-Toluidine, 3c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
118.59	118.48	118.50	118.13

For Current Prices see page 9

Intermediates

Dyestuff Intermediates—J acid, peri acid, and gamma acid were all advanced 25c. per pound, effective January 1 on spot and contract. New price on J acid was set at $2.75 per pound; peri acid, $1.60 per pound; gamma acid, $1.75 per pound. F salt was raised 20c. to $2.30 per pound.

o-Nitrotoluene—Material was hiked 2c. per pound across the board, in line with previous reports. Under the new schedules, o-nitrotoluene in tankcar lots is listed at 13c. per pound; carload, 15c.; less carload, 16c. per pound.

p-Nitrotoluene was reduced 2c. per pound across the board last month.

Pentachlorophenol—Market was steady after a 1c. per pound across the board reduction two weeks ago. Under new schedules, price on carload and truckload lots in 50-pound bags was set at 21c. per pound, ton lots and over, 22½c.; less than ton lots, 29c. per pound. Prices in drums are 1c. per pound higher. Prices remain on an f.o.b., works, basis, freight equalized with competitive producing points.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 4 was as follows:

Ammonium liquor	lbs.	604,099
Ammonium sulfate	lbs.	33,118,063
Benzene	gals.	3,275,560
Coaltar	gals.	15,881,100
Crude chemical oils	gals.	416,157
Solvent naphtha, crude, heavy solvents	gals.	107,393
Toluene	gals.	698,070
Xylene	gals.	201,366

Coal Chemicals

Phthalic Anhydride—Market was unchanged and steady. Producers reported price at 21c. per pound for flaked material in bags, carlot quantity.

Tariff Commission reported output in the first nine months of the year at about 32 million pounds less than in the corresponding period of last year. Exports in the first nine months ran to a little more than 12.7 million pounds as against 15.6 million in the nine-month period last year.

Styrene Monomer—January 1 advance of 3/100c. per pound on technical material brought the tankcar listing up to 12.7c. per pound; carload or truckload in drums, 17.2c. per pound. Polymer grade styrene remains unchanged from previous reports.

Market followed an upward trend during the final quarter of last year, due to the upturn in the rubber industry. The Rubber Manufacturers' Association estimated that production of rubber this year would increase by about 13 percent to 1.5 million long tons as against 1.33 million last year. Of this total, output of natural rubber was expected to be 520,000 tons as against 480,000 in 1958.

o-Tolidine—Price advances went into effect January 1 on spot and contract. Under new schedules, dry base was increased 5c. per pound to $1.55 and paste base was newly quoted at $1.50 as against the previous listing of $1.45 per pound. o-Tolidine, paste hydrochloride, was also boosted 5c. to $1.50 per pound.

o-Toluidine—Material was increased 3c. per pound across the board on spot and contract, effective January 1. Under new schedules, tankcar listing was 28c. per pound; carload, 30c.; less carload, 31c. per pound. Prices are f.o.b., works, freight allowed.

Cast p-toluidine was reduced 5c. per pound and flaked material, 4c. per pound, last month.

2-Vinylpyridine—The market for this material for use in nylon tires continues to show good potential, according to trade sources. Replacement tire business this year has shown a marked increase in the number of nylon tires being used. Price on 2-vinylpyridine has shown a downward trend with increased production and deeper penetration of existing markets.

Tankcar price was pegged at $1.25 per pound. Ten drum to tankcar quantity was $1.30 per pound and 1-9 drum quantity listed at $1.45 per pound.

FDA Requires Increase

—Continued from page 3

ies are now under way relative to the long term objective in this area and as soon as these studies are completed, the results will be made available to congress.

Among some fourteen programs of HEW for which funds are being increased in the new budget, the following are included: control of staphylococcus infection, studies in disease diagnosis using "fluorescent-tagged antibodies," research and training in radiological health, and research and technical services in air and water pollution.

Among programs which will be maintained at the same level in 1960 as in 1959 are the following: grants to states for the support of general public health activities, occupational health services, studies of chronic disease and health of the aging, and foreign quarantine service.

Expenditures for direct federal construction and for construction grants will be at a higher level in fiscal 1960, although the requests for new appropriations for these purposes will be lower than the amounts appropriated in 1959. This is because 1960 expenditures will include funds appropriated in prior years.

Antitrust Campaign Still On According to Gov't Record

Vigorous enforcement of the antitrust laws still continues to be the by-word of the antitrust division of the Department of Justice.

A year-end report made public last week showed that the agency filed fifty-seven new antitrust cases last year, or one more than in 1957 and twenty-one more than were filed six years ago. Of the new filings, twenty-four were criminal cases and thirty-three civil actions seeking injunctions against practices alleged to be trade-restraining.

Approximately 75 percent of the new cases involved industries producing items of direct importance to the consumer budget. Ten cases charged price-fixing on food products. One major case charged that twenty-nine important oil producers have conspired to raise and fix prices on crude oil and automotive gasoline throughout most of the country.

The report of the antitrust activity also gave indirect reply to recent criticism from certain senate quarters that the anti-merger law was not being properly enforced.

The division said that in the past four years it has challenged in court seventeen corporate acquisitions or mergers under the anti-merger statute of 1950, but only two decisions have been rendered to interpret the law.

The decisions—Bethlehem Steel Corporation and Youngstown Sheet & Tube Company, and a dairy acquisition — affirmed the basis upon which the division has built its merger program, it was stated.

Nat'l Gypsum to Get Huron

National Gypsum Company, Buffalo, N. Y., is negotiating to acquire Huron Portland Cement Company. According to statements by both firms, an agreement has been reached whereby 1,014,300 shares of National Gypsum stock will be exchanged for all shares of Huron and the latter will become a wholly-owned National Gypsum subsidiary.

Manganese Ore Facility Is Set by Carbide Unit

Union Carbide Ore Company, a division of Union Carbide Corporation, New York, is planning to build a manganese ore dressing plant at Newport News, Va., and has awarded a contract for its construction to Tidewater Construction Corporation.

The plant will be used for processing manganese ore from affiliated mining operations located in British Guiana. Completion of the project has been scheduled for May, 1, 1960.

The new plant will grade and classify approximately 30,000 tons of ore a month. Most of the processed manganese ore will be shipped from Newport News by rail to the plants of Union Carbide Metals Company, another division of the corporation, for use in the production of alloys.

Cheminform Institute Set Up To Give Aid on Trademarks

Cheminform Institute has been established at 10 Columbus Circle, New York, to give firms in the chemical and allied industries assistance on trademarks.

According to Harry Bennett, director, the institute has more than 110,000 expressions on file. These include registered and unregistered chemical trademarks as well as common, trivial, scientific and technical terms.

In many cases, Mr. Bennett says, the institute's file discloses the chemical composition or active ingredients along with the product's uses and manufacturers. He adds that the file is international in scope, covering key foreign countries as well as the United States.

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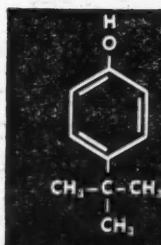

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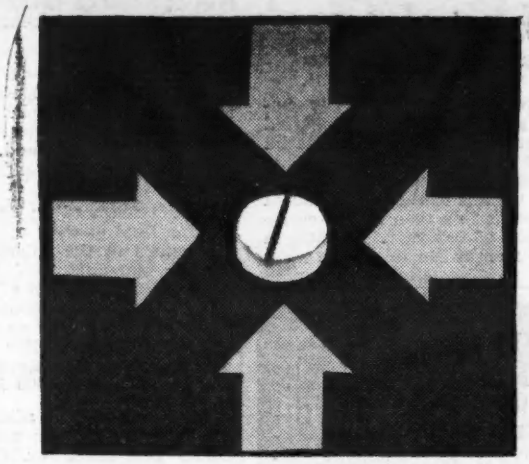

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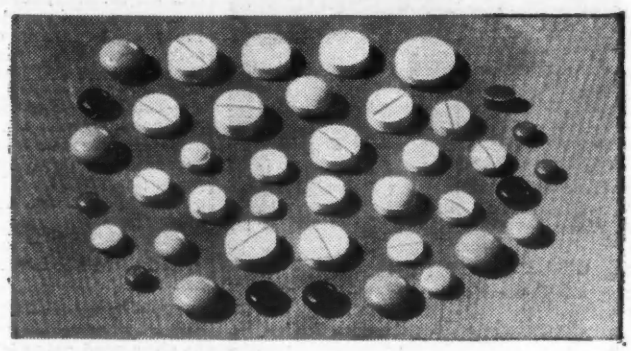

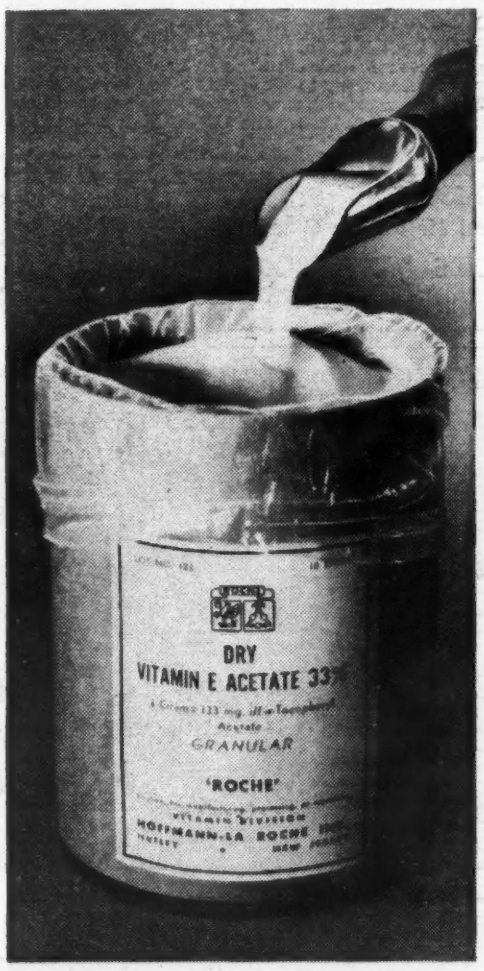

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Drugs, Fine Chemicals

There was little market activity to speak of last week but filling in the news gap were three announcements concerning the fate of tartaric acid prices. The first of these came from a former US producer of tartaric—some time ago forced to vacate the market by apparently unsurmountable foreign competition—stating that it will offer Spanish material, beginning January 5, at prices approximately 16 percent below those at which domestic material has been selling.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
62.17	62.17	62.54	63.22

For Current Prices see page 9

The second announcement came from the one remaining supplier of domestic tartaric acid. Although this firm some months back discontinued production, it has been selling from inventory and will continue to do so but without making any price adjustments, it was said. A spokesman for the firm also indicated that what course of action will be taken in the future will be pretty much dependent upon whether or not the Tariff Commission decides to grant the firm's request to raise the tariff wall on imports. The commission's decision, he said, was expected by mid-January.

Last statement came from the US representative of a leading Italian producer of tartaric acid, expressing the opinion that no major price change was looked for in 1959. Admittedly, this was intended to quell speculation that as soon as there is no domestic production available, prices on imported material will begin to spiral. The announcement did not rule out the possibility of a fractional price advance within the next few weeks, however.

According to a recent government report, the rate of change in the pharmaceutical industry has been so rapid that progress in the past few decades may well have exceeded that of several centuries before. Cited, for example, was the fact that in 1916 approximately 80 percent of the basic drugs were of botanical origin, 10 percent of organic chemical origin, and 10 percent of inorganic chemical origin. This was contrasted with the 1955 picture when the use of botanicals dropped to 30 percent, organic chemicals had risen to 50 percent, and inorganic chemicals to 20 percent.

Antibiotics—No further word on prices was received from antibiotic manufacturers last week. Earlier reports had found prices weak and sales of penicillin, streptomycin and DHS being negotiated at lower than official quotes.

Bromides—As reported in the news section of OPD last week, a leading producer intends to do away with its wooden barrels in favor of fiber drums for shipping of bromides (ammonium bromide NF, potassium bromide NF, and sodium bromide USP). The new method of packaging, the company informed its customers in the pharmaceutical, photographic and industrial fields, will come on the scene early this year.

Until a recent development in packaging science, wooden barrels had been the only practical way to ship bromides which because of their weight require a strong container, the firm said.

Caffeine—Effective December 19, producers charted reductions of 40 cents and 37 cents per pound for anhydrous and hydrous caffeine, respectively. Termed "another skirmish in the continuing battle with imported caffeine for markets in this country," by its originator, the price revision dropped caffeine prices to a 25-year low.

Mercurials—Despite the steadily declining price of mercury and rumors that offerings have been made at considerably below the current quote of $220-$224 per flask, official listings on the mercurials have remained unchanged. Trade reports of last week indicated, however, that it would be logical to assume that revisions would be coming. Observers thought that there already had been considerable price shading, possibly made more chronic lately by the slow demand pace.

According to one report, the fate of mercury and mercurial prices will be determined by how much foreign virgin material is put on the US market in coming weeks. As Spain is tied up in a barter deal with the US government for large quantities of mercury, it will be left to Italy the other major exporter, to govern the US market, it was said.

Tartaric Acid—Beginning January 5, a former US producer of tartaric acid, forced to vacate that market by unconquerable import competition, will offer Spanish material at the following prices: carloads (30,000 pounds minimum) at 41c. per pound; truckloads (25,000 pounds minimum) at 41c.; 10,000 pounds (one shipment, one destination) at 43c.; 5,000 pounds at 44c.; and less than 5,000 pounds with a minimum shipment of 300 pounds at 47c. per pound.

Above prices are f.o.b. east coast warehouse. On the west coast, f.o.b. listings are uniformly 4 cents per pound higher, at Dallas, Texas, 3 cents per pound higher.

Following the release of this price schedule (the first to be issued by this new supplier of Spanish material), the only remaining US producer of tartaric acid—who ceased production a few months back but has continued to sell from inventories—announced that it would not change its price schedule. Thus, what domestic tartaric is available will continue to be quoted at 49c. to 51c. per pound, the range reflecting the quantity breakdown.

The US representative of an Italian producer of tartrates also indicated last week that it expects no major price change during 1959. That a fractional advance might be forthcoming in the next few weeks was not ruled out as a possibility, however.

Obviously this latter announcement was intended to quell speculation that once there is no domestic producer of tartrates, prices on imported material will strengthen.

The overall tartaric acid situation, now somewhat muddled by the various reports and idle speculation of people both in and outside the trade, will undoubtedly be clarified once the Tariff Commission acts on the request of the remaining US producer to raise the tariff wall on tartrate imports. The commission's decision, according to a reliable report of last week, is expected within the next few weeks.

Vitamins—Now winding up a very satisfactory year as far as sales are concerned, leading vitamin producers look for a repeat performance in '59. Spokesmen for several of the industry's leaders also believe that price stability can be expected

Drugs and Fine Chemicals Output: October

Following statistics for selected fine chemicals and drugs were compiled by the Tariff Commission. Figures relate to the production of bulk material only.

		October 1958	September 1958
Acetylsalicylic acid	lbs.	1,990,316	1,455,756
Ascorbic acid and salts	lbs.	362,716	324,619
Dihydrostreptomycin	gms.	22,081,050	18,458,172
Niacin and amide	lbs.	275,459	240,753
Penicillin salts	million units	45,074,056	41,958,926
Pyridoxine	lbs.	4,679	4,261
Streptomycin	gms.	*	7,523,294
Sulfa drugs	lbs.	424,215	311,620
Tetracycline	gms.	11,004,300	9,820,950
Thiamin and derivatives	lbs.	24,419	24,662

* Data not reported.

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Drugs, Fine Chemicals

in the upcoming quarter, despite any predictions to the contrary. They reason that with the cut in the prices of B_{12} products and similar revisions in the schedules of other vitamins throughout the past few months, prices generally are sufficiently low to meet the import competition, the principal factor contributing to unstable markets of late.

Botanicals

Typical year-end dullness permeated botanical markets last week. In addition to the reluctance of buyers to take additional material into inventory, the occurrence of what amounted to a 2-day holiday further restricted shipments, sources said.

Limited inquiry has precluded price fluctuation of late. Changes will probably occur as interest picks up along about the middle of the month, one dealer feels.

Agar—Announcement by GSA that it plans to put up for sale its agar stocks which amount to something like 200,000 pounds elicited the same comment from botanicals dealers: It's bound to have a depressing effect on market prices.

One dealer explained it this way: The material is old, the quantity offered is huge, the price will almost have to be below the current quotation. He also thought that the depressing effect would extend to world markets.

Digitalis—One of few botanicals whose markets have not been encroached upon by synthetic materials, digitalis was subject to moderate interest last week. Supplies were fully adequate, price firm at $1.20 per pound in drum lots, dealers reported.

Lycopodium—Recent shipments of lycopodium from Europe have eased up on what had been a rather tight supply position, a dealer mentioned last week. However, the availability of this new material has not had any effect on the price which continues unchanged at $9 per pound, cases.

Soviet Scientific Exhibit Set for N.Y. Coliseum in June

The United States and Soviet Russia, at odds on nearly everything under the sun (including outer-space) have found a point of agreement: a major Soviet industrial, scientific and cultural exhibit to open in New York next June. Formal agreement for the exhibit was signed last week.

The four or five week exhibit starting about June 10 is scheduled to occupy two floors of the New York Coliseum. It has been estimated that the Soviet Union will spend more than $1 million to prepare the Coliseum for the machinery, sputnik models and other exhibits.

Russian Benzene Coming In

—*Continued from page 5*

pounds of naphthalene came here from Belgium-Luxembourg. Some 11,601,686 pounds of West German material landed in the US during that period.

Here is a breakdown of benzene **imports** during the first nine months of 1958, as compared with 1957 and 1956 (Red-bloc figures are in **boldface** type):

		*1958	1957	1956
Czechoslovakia	gals.		4,213,751	790,918
Netherlands	gals.	3,267,145	3,282,706	2,951,662
Poland	gals.	5,281,004	14,400,783	19,653,681
Sov. Union	gals.	22,234,318	24,285,237	39,763,764
W. Germany	gals.	9,903,380	8,572,431	5,760,085
Other Countries	gals.	.....	588,000	**624,781
Total	gals.	40,685,847	55,322,908	69,544,891

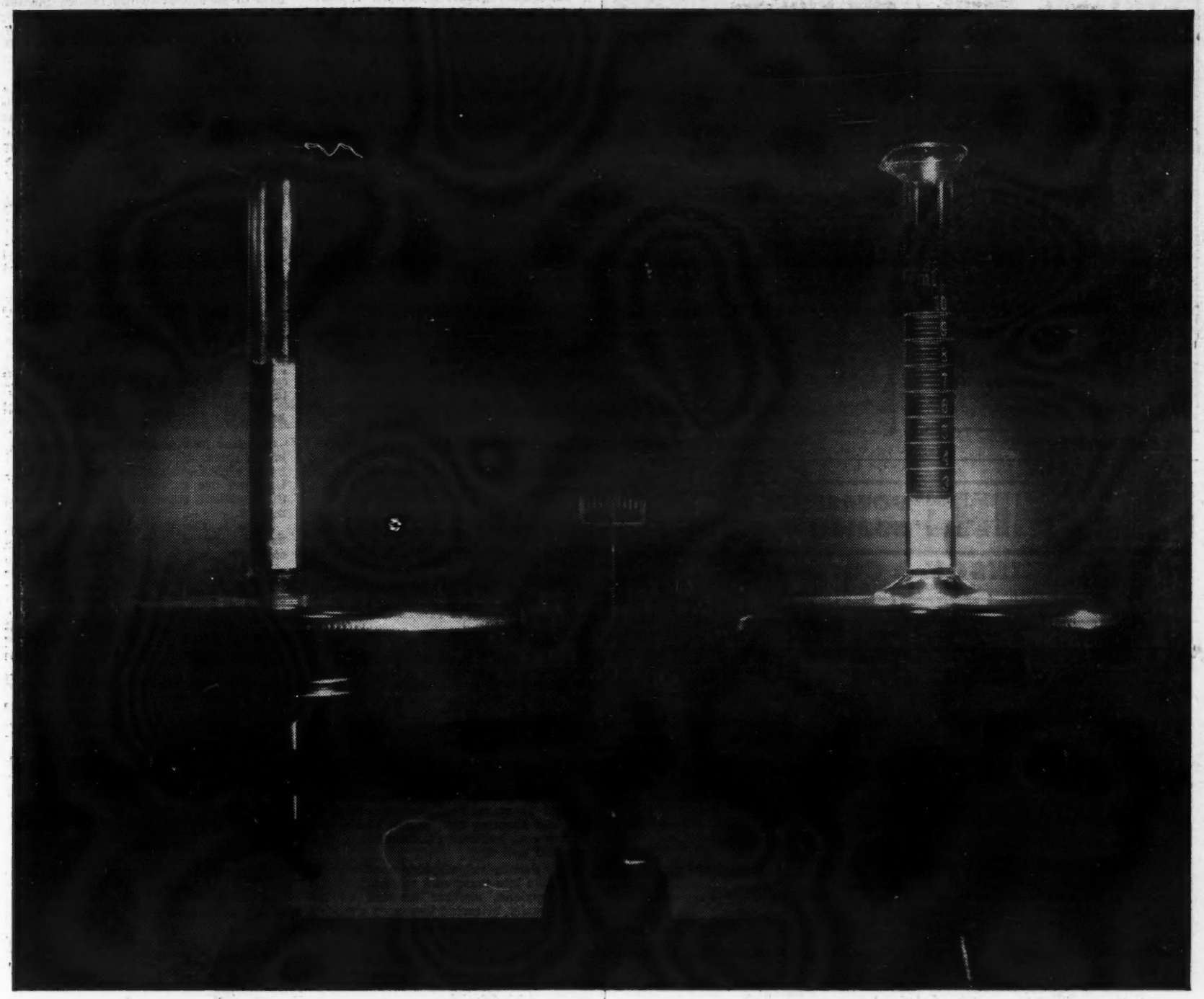
* January-September figures.
** Includes 257,272-gallon shipment from East Germany.

A country-by-country breakdown of US imports of naphthalene—that is, material melting at less than 79 degrees Centigrade—during the first nine months of 1958, together with comparisons to 1957 and 1956, follows below (Red-bloc figures are in **boldface** type):

		*1958	1957	1956
Belgium-Luxembourg	lbs.	11,686,552	18,985,810	17,272,552
Netherlands	lbs.	3,165,052	6,220,235	6,030,689
Netherlands	lbs.	3,165,052	6,220,235	6,030,689
Poland	lbs.	6,375,451	6,3 1,637	8,072,557
Sov. Union	lbs.	9,477,684	14,456,329	2,236,378
United Kingdom	lbs.	5,557,570	11,165,023	12,735,377
W. Germany	lbs.	11,601,686	29,942,178	25,035,693
Other Countries	lbs.	2,106,349	5,985,303	**7,472,116
Total	lbs.	49,970,544	93,276,517	78,855,362

* January-September figures.
** Includes 220,462 pounds from Czechoslovakia.

Products move faster in



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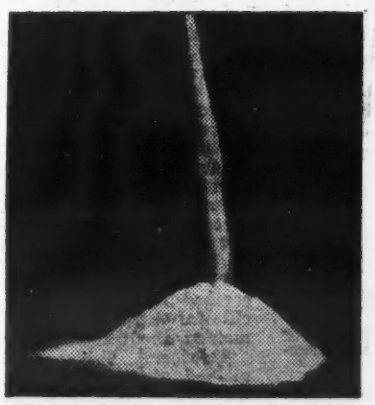

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Aluminum Sales Will Climb Ten Percent in '59: Magee

Aluminum shipments this year should exceed those of 1958 by at least 10 percent.

This is the estimate of Frank L. Magee, president of Aluminum Company of America. Reporting in the firm's year-end statement, Mr. Magee also predicts that the upward trend of aluminum consumption since the 1958 first quarter low will continue in 1959.

Mr. Magee concedes that output of many aluminum-consuming durables was sharply reduced during the 1957-58 recession but contends in the annual report that growing applications for aluminum in such fields as passenger automobiles and building construction offset to some degree these reductions.

Despite the failings of last year, Mr. Magee says, final surveys indicate an increase of nearly 25 percent last year over 1957 in the average use of aluminum in passenger cars. He feels that use of aluminum in passenger cars in 1959 will again register a substantial gain.

Mr. Magee also notes in the report that Alcoa didn't let the recession impede the firm's progress in research and expansion. The company's research and development budget was 14 percent higher than actual expenditures in 1957. Capital expenditures in 1958 were in the vicinity of $85 million, Mr. Magee adds.

Plastics Industry Rings Up

—Continued from page 7

ticipated; that material costs and wage rates will not change substantially; that profits will be higher; that more companies plan to expand this year than last.

In connection with planned expansion, many companies indicated that this will be approximately 10 percent. However, this expansion figure ranged from 2 percent to 300 percent.

Of the companies planning to expand, molders doing both proprietary and custom work predominated totaling 110 or half of the total of 221 companies indicating expansion plans. Besides molders, some of the other groups in the plastics industry planning expansion are: twenty-one raw materials suppliers; twenty extruders; eighteen manufacturers of reinforced plastics products, fifteen mold makers; eight machinery manufacturers as well as fabricators, pipe and fittings producers; sheet formers, vacuum formers; film and sheeting calenderers and manufacturers of housewares, dinnerware, buttons and wall tile.

High density polyethylene continued its expansion into many new applications and polypropylene, another member of the olefin family, attracted increased attention after being commercially introduced only a year ago, SPI pointed out.

With new markets constantly being developed, other raw materials such as ABS plastics, allylics, epoxys and urethanes experienced a widening of their applications.

Taking into consideration the current condition of the plastics industry as a whole, the analysis of a survey of the 365 SPI member companies and current business conditions throughout the United States, it is estimated by SPI that this industry will make another all-time high record in 1959 by about 10 percent to approximately 5 billion pounds of plastics raw materials.

Consolidation and Sohio

—Continued from page 5

based on experience of the two companies working together in a jointly-owned affiliate, Mountaineer Carbon Company, Cresap, W. Va., which is engaged in the calcining of coke for the aluminum industry.

Consolidation Coal Company has been engaged in research in this field for some time at its laboratories at Library, Pa. Standard Oil Company (Ohio) expects to begin active participation in its research center and its process and product development division laboratories in Cleveland during 1959.

The research officials say that at this time it appears that five to ten years of research and development work will be required before the project will reach the point when consideration can be given to the commercial possibilities.

Monsanto Adds Capacity

—Continued from page 5

there is now three times that of the original unit constructed here in 1953.

Howard S. Bergen, manager of plasticizer sales for Monsanto, said that the expansions reflect the rapidly growing market for plasticizers in vinyl plastic applications such as floor tile, upholstering and wire coatings.

Total plasticizer production in the US has grown from 292 million pounds in 1953 to an estimated 460 million pounds in 1958.

Monsanto markets more than seventy different plasticizers, the large majority of these being phthalate esters.

Antibiotic Found Effective In Reversing Pregnancy

Malucidin, an antibiotic made from spent brewers' yeast, can cause a reversal of pregrancy in dogs injected into the blood stream, says a Yale University pathologist.

Dr. Leon F. Whitney, a veterinarian and member of Yale's Medical School staff, came across the drug's unexpected properties while investigating its possible anti-cancer properties.

How malucidin accomplishes its result, and how it causes the embryo to be absorbed into the blood are still pretty much unknown factors, according to Dr. Whitney.

He added that use of the drug might be a "boon to the elimination of unwanted puppies" but pointed out that he would not want to comment on its uses beyond that in the light of present knowledge.

Metals, Mineral Production

—Continued from page 7

bright spots. Mercury output was marked by its eighth consecutive annual increase. Uranium ore gained and was valued at $114 million compared with 1957's $78 million.

Here is the way some of the other metals shaped up according to the estimate:

Aluminum—Production of primary material in 1958 was 1.56 million tons, a decrease of 5 percent from 1957 and 7 percent below the record high of 1956.

Bauxite—Domestic output was about 1.36 million long dry tons, 4 percent below 1957. Production in the last half was significantly greater than in the first half.

Magnesium—Primary output was 30,400 tons, down 63 percent from 1957.

Magnesite and **Dolomite**—Production of 6.5 million tons for basic refractories in 1958 represented an increase of 10 percent over 1957.

Titanium Sponge—Following a cut-back in military requirements in mid-1957, production dropped steadily to about 10 percent of the industry's capacity by mid-1958. Total production for the year was about one-fourth the 1957 record of 17,000 tons.

Cesium and **Rubidium**—Production of the compounds and metals increased several fold in 1958.

Selenium — Adequate supplies were available in 1958 for the first time in a decade.

Zircon Concentrate—Production in 1958 was about 26,100 short tons. Imports, all from Australia, totaled approximately 17,300 tons.

Hafnium — Estimated production for the year was 46,000 pounds. AEC invited bids for making high-purity hafnium from zirconium plant rejects.

Asbestos — Production last year was slightly below 1957's. Output was supported in part by a government purchase program.

Barite—A decrease in oil-well drilling in the United States had a depressing effect on the industry in 1958, with both domestic production and imports well below 1957.

Boron Compounds—Continued expansion of production facilities in 1958 resulted in an increase of approximately 16 percent in output.

Fluorspar—Output was lower, as were consumption requirements by the steel, aluminum and chemical industries.

Sulfur—Output declined. Production of recovered sulfur increased substantially but this was more than offset by a drop in Frasch sulfur production.

Phosphate Rock—Output and sales increased 5 percent because of higher agricultural demand. Potash production remained about the same.

Talc and **Feldspar** — Production remained virtually unchanged in 1958 as building activity in the last half increased substantially.

Mica—Scrap production was about 10 percent less in 1958 because of lower industrial activity. A high level of production of muscovite block, film, and hand-cobbed mica was maintained under the government mica purchasing program.

Nopco Elects Three

Nopco Chemical Company, Harrison, N.J., have elected three vice-presidents to places on its board of directors. The three men are: Harry A. Batley, Dr. Edwin A. Robinson, and George G. Stier.

Current Market Quotations

—*Continued from page 31*

Vitamin G (see Riboflavin).
Vitamin H (see Biotin).
Vitamin K, active (see Menadione).
Vitamin K_1, 25 gram bots gram. 4.50 - —
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P, petroleum).

W

Wahoo root bark, bls. lb. 2.10 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 - —
dms., 25-49-lb. lots, New York or Chicago lb. 2.05 - —
Warfarin, 0.5%, cns., 5-24-lb. lots, New York or Chicago lb. 2.15 - —
Watchung-type reds, bbls. lb. 1.95 - —
Wattle bark, fair average, African, bls., ex dock ton.68.00 - —
Merchantable, bls., ex dock ton.64.00 - —
Wattle extract, liq., 35% tannin, bbls lb. .08¼- .08½
Solid, East Africa, 60% tannin, bgs., ex dock lb. .08275- —
South Africa, 60% tannin, bgs., ex dock lb. .0840- —

Waxes

Wax quotations are listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms gal.12.25 - —
Wheat starch (see Starch, wheat).
White lead (see Lead, white).
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms., lb. 6.55 - —
Whiting (see Calcium carbonate)
Wild cherry bark, thin, nat., bls lb. .18 - —
Thin, rossed, bls. lb. .21 - —
Wintergreen oil, USP, nat., northern, cns lb. 6.35 -17.50
USP, nat., southern, cns. lb. 3.75 - 7.00
Wintergreen oil, syn. (see Methyl salicylate).
Witch hazel bark, bls. lb. .16 - .17
Witch hazel leaves, bls. lb. .22 - —
Wollastonite, fine, bgs., c.l., works. ton.39.50 - —
Wollastonite, fine, bgs., l.c.l., ex wnse ton.56.00 - —
Medium, bgs., c.l., works ton.27.00 - —
bgs., l.c.l., ex whse. ton.44.00 - —
Wood alcohol (see Methanol).
Wood oil (see Tung oil).
Woolfat, crude (see Degras).
Woolfat, USP (see Lanolin).
Wormseed, Levant, bgs. lb. 4.25 - 4.50
Wormseed oil (see Chenopodium oil, NF).
Wormwood oil, cns. lb. 4.90 - 5.85

X

Xylene, coaltar, indust., tanks, works:
Bethlehem, Pa. gal. .29 - —
Birmingham dist. gal. .29 - —
Chicago dist. gal. .29 - —
Cleveland dist. gal. .29 - —
Geneva, Utah gal. .29 - —
Johnstown, Pa. gal. .29 - —
Lackawanna, N. Y. gal. .29½- —
Lone Star, Tex. gal. .27 - —
Lorain, Ohio gal. .29 - —
Middletown, Ohio gal. .30 - —
Minnequa, Col. gal. .29 - —
Philadelphia dist. gal. .29 - —
Pittsburgh dist. gal. .29 - —
Sparrows Point, Md. gal. .29 - —
Terre Haute, Ind. gal. .29 - —
Youngstown, Ohio gal. .29 - —
Xylene, petroleum, indust., tanks, f.o.b. works:
Bayonne, N. J. gal. .29 - —
Baytown, Tex. gal. .27 - —
Charleston, S. C. gal. .29 - —
Chicago, Ill. gal. .30 - —
Houston, Tex. gal. .27 - —
Philadelphia, Pa. gal. .29 - —
Providence, R. I. gal. .30 - —
Sewell's Point, Va. gal. .28 - —
Wood River, Ill. gal. .29 - —
Xylenol, cryst., 45°-47° C., m.p., dms., l.c.l., works lb. .23 - —
56°-58° C., m.p., dms., l.c.l., works, frt. equald lb. .33 - —
60°-62° C., m.p., dms., l.c.l., same basis lb. .40 - —
Xylenol fraction, b.r. 7°-9° C., dry above 227° C., dms., c.l., same basis gal. 1.25 - —
dms., l.c.l., same basis gal. 1.30 - —
tanks, same basis gal. 1.05 - —
Xylenol fraction, b.r. 7°-9° C., dry at or below 227° C., dms., c.l., same basis gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Xylidines, mixed, o-m-p, dms., c.l., or t.l., works lb. .39 - —
dms., l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —

Xylol

Xylol quotations, both coaltar and petroleum, may be found under Xylene.

Y

Yara yara oil, cns. lb. 2.15 - 3.05
Yeast, brewers, debittered, USP, Saccharomyces dlvd lb. .27 - —
Yeast, brewers, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
USP, 200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Torula, USP, dlvd lb. .18 - —
Yeast, brewers, dry, USP, 50 Int'l
Yerba santa leaves, bls. lb. .40 - .42
Ylang-ylang oil, Bourbon, bots. lb.19.00 -25.00

Yellow Pigments

Yellow pigment quotations are listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow.

Ylang-ylang oil, Bourbon, extra, bots lb.28.00 -40.00
Madagascar, bots. lb. No Stocks.
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 36,000-lb. lots or more, bgs., 500-lb. lots or more, dlvd. lb. .343 - —
bgs., smaller lots, dlvd lb. .373 - —
Zinc acetate, NF, VIII, dms. lb. .53 - —
f.o.b. plant lb. .28 - —
Tech., dms., l.t.l., works lb. .29½- —
Zinc borate, bgs., 1,000 lbs or more, works lb. .23 - —
bgs., less than 1,000 lbs., same basis lb. .25 - —
Zinc chloride, NF, gran., dms lb. .42 - —
Precip., powd., dms lb. .26 - —
Soln., 50%, dms., c.l., works, 100 lbs. 5.80 - —
dms., l.c.l., works 100 lbs. 6.40 - —
tanks, works 100 lbs. 5.15 - —
Zinc chloride, tech., fused, dms., c.l., works 100 lbs.10.70 - —
dms., l.c.l., works 100 lbs.11.20 - —
gran., fib dms., c.l., works, 100 lbs.11.45 - —
fib, dms., l.c.l., works 100 lbs.11.95 - —
Zinc chromate, bbls., dlvd. lb. .29 - —
Basic, bbls., dlvd. lb. .34 - —
Zinc cyanide, dms., 1,000-lb. lots or more, works lb. .55 - —
dms., smaller lots, works lb. .57 - —
Zinc dust, coml., bbls., c.l., works. lb. .1310- —
Pigment, bbls., c.l., works lb. .15½- —
bbls., l.c.l., works lb. .16½- —
Zinc fluoride, bbls., works lb. .49 - .50
Zinc hydrosulfite, dms., c.l., frt. alld lb. .21½- —
dms., l.c.l., frt. alld. lb. .23½- —
Zinc metal, prime western, slabs, E. St Louis lb. .11 - —
Prime western, slabs, New York, lb. .11½- —
Zinc naphthenate, liq., 8% Zn., dms., frt. alld lb. .27 - —
10% Zn., dms., frt. alld lb. .33 - —
Zinc nitrate, tech., cryst., bbls., works lb. .20 - —
Zinc oxide pigment, American process, lead-free, bgs., c.l., frt. alld lb. .14½- —
bgs., l.c.l., same basis lb. .15½- —
Zinc oxide pigment, American process, leaded, 35%, bgs., c.l., mills, frt. alld lb. .15⅛- —
bgs., l.c.l., same basis lb. .16⅛- —
50% bgs., c.l., same basis lb. .15⅝- —
bgs., l.c.l., same basis lb. .16⅜- —
Zinc oxide pigment, French process, green seal, bgs., c.l., mills, frt. alld. lb. .16¼- —
bgs., l.c.l., same basis lb. .17¼- —
red seal, bgs., c.l., same basis, lb. .15¼- —
bgs., l.c.l., same basis lb. .16¼- —
white seal, bgs., c.l., same basis, lb. .16¾- —
bgs., l.c.l., same basis lb. .17¾- —
Zinc oxide, USP, ctns., c.l., frt. alld. lb. .17¼- —
ctns., l.c.l., same basis lb. .18¼- —
Zinc oxide, Pac. Coast prices 1c. higher.
Zinc phenolsulfonate, NF, gran., dms lb. .44 - .45
NF, powd., dms. lb. .47 - .48
Zinc resinate, precip., 7.2-7.6% Zn., dms., frt. alld lb. .36¼- —
Zinc silicofluoride, dms., works lb. .12½- .14
Zinc stearate, tech., USP, ctns., c.l., lb. .41 - —
Zinc sulfate, powd., monohydrate, ctns., l.c.l. lb. .42 - .46
36% Zn., bgs., c.l., dlvd. E. 100 lbs. 8.75 - —
bgs., l.c.l., dlvd. E. 100 lbs. 9.75 - —
USP, gran., dms. lb. .26 - —
Zinc sulfate in bbls. 40c. higher.
Zinc sulfide, pure, bgs., c.l., dlvd. lb. .2530- —
Zinc undecylenate, dms. lb. 2.00 - —
Zinc yellow (see Zinc chromate).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.10.25 - —
bbls, c.l., works 100 lbs.10.85 - —
bbls., l.c.l., works 100 lbs.11.35 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25½- —
dms., l.c.l. lb. .26 - —
Zircon (G), gran., bgs., c.l., works, lb. .03⅛- —
bgs., 5 tons to c.l., works lb. .03⅜- —
bgs., 1 ton to 9,999-lb. lots, works lb. .04 - —
bgs., smaller lots, works lb. .06½- —
Zircon (G), milled, bgs., c.l., works, lb. .04⅛- —
bgs., 5 tons to c.l., works lb. .04⅜- —
bgs., 1 ton to 9,999-lb. lots, works lb. .04⅝- —
bgs., 500-1,999-lb. lots, works lb. .07½- —
Zircon (G) in barrels 1c. higher.
Zirconium acetate, 13% soln., ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Zirconium hydride, powd., dms., works lb. 7.25 - 9.00
Zirconium oxide, CP, white, grd., bbls. or bgs., works lb. 1.50 - —
Electric-fused, lump, bgs., 500 to 1,999-lb. lots, works lb. .45½- —
bgs., smaller lots, works lb. .48 - —
milled, bgs., c.l., works lb. .59 - —
bgs., 5-ton lots, works lb. .59½- —
bgs., 1-ton to 9,999-lb. lots, works lb. .60 - —
bgs., 500 to 1,999-lb. lots., works lb. .60½- —
bgs., smaller lots, works lb. .63 - —
Glass polishing grade, 94-97% ZrO_2, bgs., works lb. .55 - .65
Opacifier grade, 85-90% ZrO_2, bgs., lb. .27 - .50
Stabilized oxide, 91% ZrO_2, milled, bgs lb. .62 - .85
Zirconium oxychloride, cryst., ctns., 5-ton lots, works lb. .35½- —

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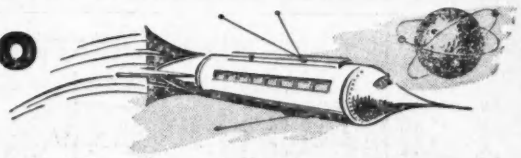
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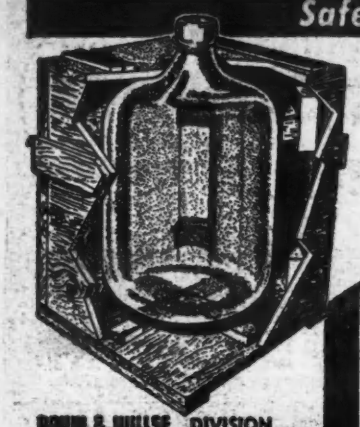

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Coatings Materials

During 1958 the coatings price index climbed a couple of points. This was a relatively small climb and of even less significance than might appear since it occurred mainly in small-volume, high-priced materials. Trend in blue-chip coatings materials was generally steady, with a soft tone prevailing for some items during the first three quarters, which led to scattered fractional declines in synthetic resins, and the oxides of non-ferrous metals. Except for vinyl resins, both these groups managed to retrace their steps during the final, prosperous quarter and closed steady.

Recovery of lead and zinc pigments is credited by observers to the administration's directive restricting imports, which became effective in October. While it is true that demand for the basic metals improved during the last quarter, it is doubtful that this alone would have been sufficient to rescue prices from the influence of stiffly competitive imports. Firmer copper was the result solely of the protracted strike in the Belgian Congo, observers say. Voluntary cutbacks had been made, but on the eve of the strike supply was still far off balance.

The recent declines in vinyl resins affected polyvinyl acetate emulsions and polyvinyl chloride. One factor in the field reduced the former group 2 cents per pound across the board, while others varied the reductions between 1 cent and 2 cents per pound, depending upon polymer grade.

As the coatings market rounded the turn into 1959 its most salient feature was the unchanged price list for lakes, toners and organic pigments generally. During the four previous years, January 1 had been marked by advances in most of this group. Such was the case last year when a host of driers also moved upward.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
103.09	103.09	103.09	101.50

For Current Prices see page 9

Prime Pigments

Aluminum Paste, Powder—Shipments of atomized and grained aluminum powder in October amounted to 474,000 pounds, representing a sharp decline from the prior month's 595,000 and the 583,000 reported a year earlier. Flaked powder shipments improved, however: 369,000 in October as against September's 300,000 and 382,000 a year earlier.

Shipments of paste declined to 1,320,000 pounds from September's 1,770,000 but this was a shade better than the 1,139,000 pounds reported for October of last year. The Department of Commerce supplied these figures.

Antimony Oxide—Price behavior of this material during 1958 displayed a steady pattern. Following the trimming of last December, inspired by competing imports, no further changes were made. Final figures on shipments are expected to show diminished movement to the paint trade balanced by increased consumption in other lines.

Acetylene Black—Long-standing price lists quote carlots at 19c. per pound and smaller quantities at 24¼c. to 30c. per pound. During the recent recession—one may refer to it now in the past tense since it appears just about to have run its course — markets for acetylene black proved to be relatively independent of fluctuations in the overall economy. Military procurement, one of the major outlets of the material, sustains a high demand level during all circumstances, recessions constituting no exception. The civilian market for dry cell batteries, though not quite as rock-bound as the military, showed no tendency to retreat.

Copper Oxide—A soft trend of two years duration was brought to a halt in the copper market during the latter half of 1958, which was reflected by a steadier tone in oxide. The long decline, as it is termed in the trend, brought prices to something less than half of the peak levels that prevailed at the time of the Korean War. Part of the credit for arresting the decline goes to the sharp cuts in output made by major producers, but actually, prices did not stop edging downwards until a protracted strike in Belgian Congo mines had choked off all output from that area. Copper closed steady at the end of the year, but some observers, noting back-to-normal output in the Congo, voiced concern over the danger of a relapse.

Demand for copper pigments moved at a good pace all year long, sharing in the strong market for coatings. Supply was always adequate and sometimes on the long side, observers noted.

Lead Pigments—Highlight of this year's lead market was the way prices firmed up after implementation of the administration's program for restricting imports. Before that move, price trend had been downward. The advances that came afterwards brought quotations just about back to normal.

A fair to good level of demand was encountered by red lead during the year, which accurately mirrored the trend in heavy construction. White lead, used in retail house paints, is reported to have had a blue ribbon year along with the entire trades sales segment of the paint industry. Supply was well-adjusted to the demand level throughout.

Synthetic Resins

The following figures show production in pounds for October and list September's figures for comparison, as reported by the Tariff Commission:

Production

	September*	October
Phenolic and other tar acid resins:		
Molding resins	15,341,168	18,684,936
Laminating resins	11,656,765	12,723,089
Protective coating resins, modified, unmodified, except by rosin	2,557,256	2,930,203
Urea and melamine resins:		
Protective coating resins, straight, modified	3,196,907	4,020,549
Styrene resins:		
Protective coating resins, straight, modified	8,289,579	9,019,816
Vinyl resins:		
Total all types	82,133,434	88,551,120
Alkyd resins for protective coatings:		
Phthalic anhydride types, unmodified	20,734,162	22,166,360
Modified with tar acids, rosin and/or other material except styrene	6,314,917	5,996,573
Polybasis acid types except phthalic:		
Unmodified	513,185	688,490
Modified with tar acids, rosin and/or other materials except styrene	1,145,457	1,267,407
Rosin modifications for protective coatings:		
Rosin, rosin esters, unmodified (ester gum, esterified with glycerol)	677,290	1,115,740
Esterified with other alcohols, pentaerythritol, glycols, etc.	806,484	1,058,733
Rosin, rosin esters, modified:		
Modifications with phenolic and other tar acid resins	2,309,177	1,880,964
Modifications with maleic and fumaric acids	2,901,102	2,768,557
All other modifications	3,760,427	4,502,868
Coumarone—indene and petroleum polymer resins	20,492,188	24,105,681
Miscellaneous synthetic plastics and resins materials:		
Protective coating resins (including epichlorohydrin, acrylic polyesters, silicone and other resins)	2,117,111	2,005,854

* Partly estimated.

Natural Resins

Gum—In summing up 1958, people in the trade last week found price steadiness to have been the most notable feature. While this has never been among the more active markets pricewise, consumers would usually run into one or two fractional revisions during a normal week. Not so this year. A diligent perusal of OPD's records would probably turn up no more than half a dozen price changes in the entire listing of copals and dammars for the year, and not one of major significance. As in the shellac market, this is doubtless the result of a more centralized and therefore more stable setup at the source.

The recession did put something of a crimp in business volume, but only during the spring season. A comparatively early recover from summer doldrums wiped out part of the deficit, and much of the rest was erased by a very brisk fourth quarter.

Shellac—Floor prices were imposed at Calcutta last spring, which put a stop to

Coatings Materials

price gyrations locally as well as at the source. An agency of the Indian government reviews the market every quarter with a view to making any necessary changes in the floor levels. So far none has been thought necessary, with the result that 1958 was featured by unprecedented stability in Shellac.

Orange grades, still encountering good demand here from coatings formulators, are offered at 36c. to 39c. for lemon No. 1, 33c. to 37c. for No. 2, and 32c. to 34c. for superfine. TN seems to have faded permanently from the picture. Ample stocks of bleached shellac are available at 46c. for bonedry and 56c. for fully refined, in bags, 1,500-lb. lots.

Lacquer Materials

Citrates—This group of materials, used in such small but steady outlets as surgical equipment and food packaging, has come through the recession unscarred. In fact, market sources reported last week, business volume for the year, when tabulated, is expected to show some significant gains. Prices have held without change for several years.

Phthalates — The brisk recovery that took place in the plastic and paint fields during the fourth quarter firmed up the picture for phthalate sales after a relatively slow summer. Overall business volume for the year is estimated to have been fairly high, though short of record levels.

Price trend held steadier than in previous years. For the first time the whole list got through the year without a single revision posted. Shading, of course, was unabated. But shading against a steady listing, said one source, is not nearly as disconcerting as shading after a price reduction has been made.

Naval Stores

November output of gum naval stores, tabbed at 8,820 barrels of turpentine and 33,630 drums of rosin, was eight percent less than for the same month of last year, according to Agricultural Marketing Service, while seasonal output through November ran nine percent behind the corresponding period of last year.

Production of wood naval stores displayed a stronger trend, with turpentine production reported at 40,140 barrels, a decline of only four percent from the level of the prior month. Steam distilled rosin output, at 96,360 drums, was a shade under the October total but about even with November of last year.

Tall oil rosin production was reported at 25,090 drums. While gun turpentine stocks decreased sharply during the month, falling well behind the level of last November, only a narrow decline was experienced in wood turpentine stocks. Narrow declines were also reported for stocks of gum and wood resin.

Rosin, Gum
(USDA, per 100 lbs.)

	Fri. Dec. 26[1]	Mon. Dec. 29	Tues. Dec. 30	Wed. Dec. 31	Thurs. Jan. 1[1]
Drums—					
M	...	...	$8.20	...	...
N	...	...	...	$8.35	...
WG	$8.55	...	...	8.70	...
WW	...	...	...	9.13[§]	...
Bags—					
G	$8.00[2]	...	...	...	...

Tankcars (for week ended January 1), M or better, $7.80, $7.87½.

Sales, USDA

...	829*	1,035*	1,296*	...

New York
(Per 100 lbs., c.l., Friday)

Turpentine, Gum
(USDA, per gal., 7.2 lbs.)

Price	...	...	.5275	...	...
Sales	...	...	4,000¶	...	...

* Drums equivalent. ¶ Gallons. § Average price.
[1] Market closed for holiday.
[2] G or better.

Olin, Textron Form

—*Continued from page 5*

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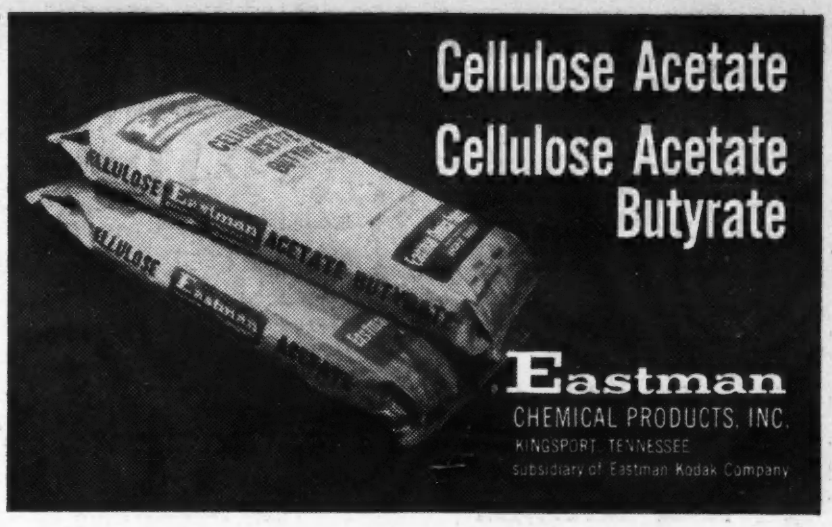
Weed Control Meeting

—*Continued from page 7*

health. J. M. Leonard, of the Michigan Department of Conservation, will be one of the speakers to review "The Use of Herbicides for Conservation Purposes."

Of general interest will be a report to be given on Wednesday by W. F. Meggitt, of Rutgers University, on "Promising New Developments in Weed Control." At the same session, R. P. Wodehouse, retired from Lederle Laboratories Division of American Cyanamid Company, will report on "Ecological Aspects of Allergenic Plants."

During the evening of the opening date, members will participate in a discussion on "New Herbicides from Industry." L. G. Utter, of Diamond Alkali Company, Cleveland, Ohio, will act as chairman of the evening session.



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Chemical Iudustry Seen Hurt in New Congress

—Continued from page 3

Industry may not be united on the need for the bill. At a recent meeting of food people with Secretary Arthur S. Fleming of Health, Education and Welfare, one of the industry representatives, Charles Wesley Dunn, questioned the need for a color additives bill in view of the new food additives law just going into effect.

But the FDA is convinced that a re-evaluation of national policy with respect to colors is required. The agency holds to the view that congress did not intend the new food additives amendment to apply to coaltar colors because nowhere in any of the debates or reports did congress even mention the coaltar color problem.

Medical Views on Labeling

Legislation for labeling of hazardous chemicals may run into trouble in congress by reason of the fact that the American Medical Association has drawn up a proposal of its own that differs radically from the bill introduced on behalf of the chemical industry last session. The industry, undismayed, will give it another try next session.

The industry's bill is designed primarily to protect the average consumers of household chemicals and would require the manufacturers of these products to label clearly their products according to their degree of hazards—toxic, corrosive, irritant, flammable, etc.

The AMA proposal, however, applies to industrial products as well as to household chemicals and also would impose other burdens on manufacturers which the chemical industry feels are unnecessary.

The AMA carries a lot of weight in congress and if it decides to make an issue over whether the bill should or should not apply to industrial chemicals, it could cause considerable trouble for the industry.

Despite the establishment of a new Federal Council for Science and Technology last week by President Eisenhower (see story on page 4), a bill to set up a Department of Science is expected to make its appearance early next session. However, it is questionable on two counts whether such a proposal can be passed at this time.

In the first place, the President's action appears to have effectively cut the ground from under advocates of a new Department of Science. Secondly, similar bills to create such a unit never got beyond the introduction stage last session.

Nevertheless, there undoubtedly will be a strong push in the next congress to have science elevated to Cabinet rank. In fact, many feel that science is already such an important part of government that departmental status is only a matter of time.

Aim Is Unity

The aim would be to bring together under one Cabinet-level head such agencies as the National Aeronautics and Space Administration, the Atomic Energy Commission, the National Science Foundation, the National Bureau of Standards and the Weather Bureau.

The important matter of consideration from the industry's viewpoint in the establishment of a Science department would be the policy congress writes into such a proposal on the question of patent rights. There is a strong feeling in congress that where public funds are spent in research, the resulting patents should be government-owned.

The national aeronautics and space act of 1958, like the atomic energy act, makes patents the property of the federal government which, in turn, makes them available to anyone, to the extent permitted by the security restrictions.

This provision was slipped into the space act during the final stages of committee consideration and largely escaped notice until after the law was passed.

It is expected that an effort will be made to have the law amended so that industrial firms can own the patent rights to inventions they conceive under government contract, with the government retaining royalty-free use of them. This arrangement would be similar to the policy followed by the Department of Defense and by HEW in its cancer chemotherapy program.

Companies engaged in space projects for the civilian space agency also will seek an indemnity provision in the space act because private insurance companies won't provide sufficient coverage. The rocket industry wants to be covered by as much as $500 million in case something like a multi-million pound thrust rocket crashes into a populated area after going astray.

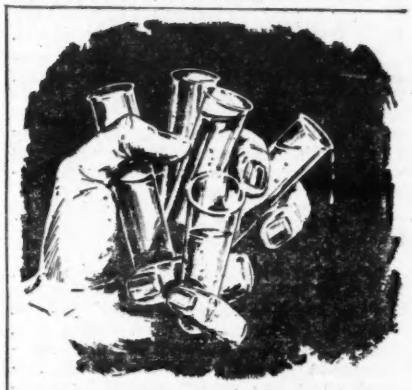
Synthetic Drugs Placed Under the Narcotics Law

President Eisenhower has signed a proclamation placing four new synthetically produced drugs under control of the federal narcotics laws. The four new drugs are described as:

- (-) 3-Hydroxynormorphinan [(-) 3-hydroxymorphinan].
- 2'-Hydroxy-2, 5, 9-trimethyl-6, 7-benzmorphan.
- 3-Allyl-1-methyl-4-phenyl-4-propionoxypiperidine.
- Dimethylaminoethyl diphenyl-a-ethoxyacetate.

CIBS to Meet Thursday

Cosmetic Industry Buyers & Suppliers will hold a luncheon meeting January 8 at Toots Shor's Restaurant in New York. Speaker will be Jack Mohr, president of Park & Tilford, New York.



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Textile, Leather Chemicals

The textile and leather chemicals market was fairly inactive last week as it was the previous week as a result of the holidays. In the chemicals market the carlot price of sodium hydrosulfite eased 1¼ cents per pound. The adjustment was due to some instability in the last two months of last year. The less carlot price remained unchanged. The general tone of the market was quiet and demand was light. A hand to mouth buying policy existed.

Shoe output in November of last year is estimated by the National Shoe Manufacturers Association to have totaled 46.0 million pairs, an increase of 4.3% from November 1957, when 44,106,000 pairs were produced. Most of the difference in this figure and NSMA's earlier estimated for November 1958, was due to manufacturers' reporting, In nearly every case, manufacturers a month ago reported their scheduled production for November, 1958 at levels considerably higher than their actual November production.

Based on manufacturers' schedules, it is estimated that December, 1958 output will be about 47.1 million pairs, or 6.4% more than 1957 when production reached 44,286,000 pairs. It was also estimated that production during 1958 will total 582,255,000 pairs.

Price Trends

Advanced
None

Reduced
Sodium hydrosulfite, c.l., 1¼c. per lb.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
100.83	100.84	100.84	103.11

For Current Prices see page 9

Chemicals

Bichromates—Prices, in effect for some time, continued the same last week. Reports were that demand for the production to chrome pigments would increase as automotive sales and production moved upward.

Hydrogen Peroxide—Present and future wants were said to be well covered. Price levels were unchanged as well, and they are expected to remain the same into the early part of this year. Demand was light.

Sodium Hydrosulfite — A price adjustment took effect on January 1 in carlot quantities of sodium hydrosulfite. Less carlot prices, however, did not change. One source said that the material had been unsteady for a couple of months, and the reduction was an adjustment to stabilize the material. The new price of sodium hydrosulfite 22½c. per pound, drums, carlots, freight allowed, which is a reduction of 1¼c.

Sulfonated Oils — Demand for sulfonated oils was reported to be moderate. Prices held previous levels, and stocks were sufficient to cover immediate and future needs. A hand to mouth buying policy continued to dominate the market. Sulfonated oils have been affected by the increasing competition from the compounded chemical process products made to accomplish the same job.

Sizing Materials

Albumin, Egg — The market remained very quiet last week as it did during Christmas week. Prices retained the same levels with flake quoted at $1.09 to $1.11 per pound, and powder ranged from $1.13 to $1.15. Technical grade albumin, egg held a reading of $1.08 to $1.10 per pound. Trading was following a hand to mouth policy, and supplies were said to be ample.

Corn Starch—Trading was limited to the completion of immediate needs last week following a trend that has existed for a couple of months. Prices of all grades were unchanged. Pearl grade corn was priced at $7.38 per 100 pounds, paper bags, carlots, New York basis; and powder at $7.50, same basis. Less carlot prices were 15c. higher.

Visible corn supply declined 701,000 bushels to 84,431,000 bushels for the week ended December 26, 1958. This compared with 90,501,000 bushels for the corresponding week in 1957, it was reported by the Chicago Board of Trade.

Egg Yolk—This was another market reported to be quiet as a result of the holidays. Prices were the same. In November, 1958, there was some pressure put on the material as there were heavy purchases made by the Spanish government and our National School Lunch Program which coincided.

Potato Starch—This market was rather inactive last week. Prices of the material were still nominal. Supplies in the East and the West appeared to be able to cover present and future needs. Maine potato starch was priced at 6c. per pound, bags, carlots, works. Idaho potato starch continued at .058c. per pound, same basis.

Total storage stocks of potatoes held by growers and local dealers on December 1, 1958 amounted to 128.3 million hundredweight, the largest holdings since the 129.3 million hundredweight in storage on December 1, 1950, according to a report by the Crop Reporting Board of the United States Department of Agriculture. The December 1, 1958 holdings are said to be 18 percent above the 108.4 million hundredweight held on the same date a year ago, and 19 percent above the 1949-57 average storage of 108.1 million hundredweight.

Sago Flour—The material continued to be steady last week. Early in December a firmer tone was noted following an increase in demand from European markets. Sources said that sago flour may advance early in 1959. Shipment prices were well held at 5¼c. per pound, carlots, ex dock, prompt and later delivery. Raw flour maintained a listing of 7¼c. to 7½c. per pound; exwarehouse and refined grades were unchanged at 9c. to 9½c., same basis.

Tapioca Flour—In December, 1958, shipping prices in Siam and Brazil advanced slightly. Siamese shipping prices were listed at $6.10 while Brazilian was steady at $5.85. These sources were not pressing for business, it was reported. Spot prices were maintained at previous levels.

Tanning Materials

All available "signposts" point to a very satisfactory and improved volume of business for the leather industry during 1959, according to a report by the Leather, Shoes, and Allied Products Division of the US Department of Commerce. Expectations are that both production and consumption will improve considerably and orders already received at the canneries for 1959 delivery confirm these observations. Anticipated improvement in the output of important leather products such as shoes, gloves, and clothing indicates the necessity for a greater volume of leather because inventories in the hands of consuming industries are quite small. Potential dangers are high prices which might tend to change some of the consumption requirements to substitute materials. However, it is generally believed that the improved economic conditions will result in the consumer upgrading on their soft goods purchases and this means that leather would be in higher demand because it is considered a quality product.

Chestnut Extract—A quiet market continued to prevail last week, sources reported. Buying interest was still spotty, and shipping was moving in moderate volume only. Prices held the same levels.

Cutch—Price levels continued at 7½c. per pound last week. Movement in the market was slight with material moving in small quantities for immediate needs.

Mangrove Bark—Maintaining levels of past weeks, African bark ranged from $67 to $68 per ton, ex dock. Colombian was listed at $50 per ton, ex dock; and Ecuadorian mangrove bark at $47 per ton, ex dock. Buying continued to be light and spotty.

Myrobalans — Interest in the materal has been moderate during the past months with material moving in small lots. Prices retained the same listings. Genuine J-1's ranged in price from $50 to $51 per ton, ex dock. Crushed material was priced at $65 to $66 per ton, and Bombay myrobalans from $44 to $45 per ton.

Wattle — Fair average material was quoted at $68 per ton, ex dock, prompt shipment; and merchantable was listed at $64, same basis. African, 60 percent, was held at 8.275c. per pound, and South African at 8.4c., carlots, ex dock, prompt shipment. Buying interest continued spotty and restricted to nearby shipment.

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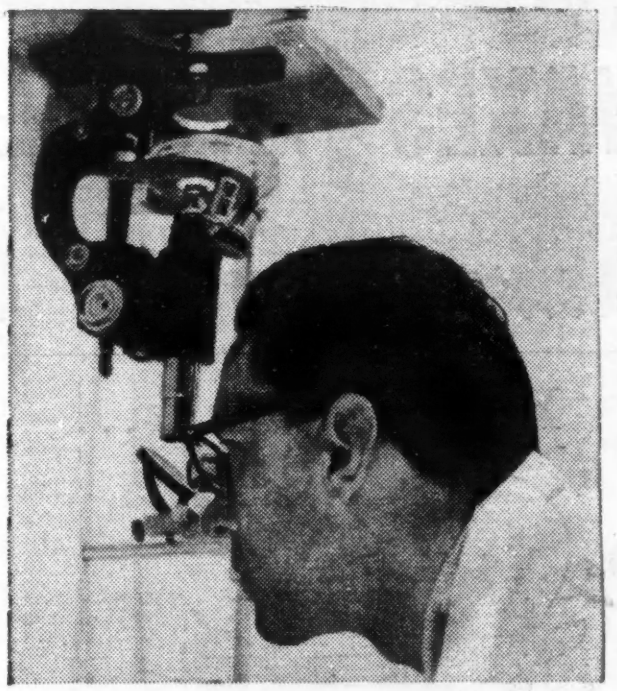

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Oils, Fats and Waxes

An easier tone prevailed throughout the oils and fats market last week. Trading was light as is usual at this season, but the weakness of allied markets, especially lard which reached new lows for the season, was reflected in edible grades. The lower cost of lard has improved demand from the makers of shortening. Corn, cottonseed and soybean oils were moved in limited volume at slightly lower levels, while peanut was sold at a decline of ¾ cent per pound.

Crude coconut oil was steadier following moderate trading at unchanged levels but sellers raised offers fractionally on the Pacific coast. Copra also was firm and light offers for shipment were higher.

Buying interest in tallow and greases lagged for domestic and export account which created an easier tone in the market and caused buyers to lower bids. Lower cost of lard also affected choice white grease and edible tallow and both materials dropped fractionally.

Trading in olive oil for shipment was reported at a standstill as a result of the devaluation of the French franc, importers preferring to await clarification of foreign exchange.

Quiet demand for linseed oil combined with the lower flaxseed, which was reduced 5 cents per bushel resulted in crushers lowering oil 3/10 cent per pound for prompt and forward requirements. Consuming inquiry for Brazilian castor oil continued quiet. Crude menhaden oil was inactive and shadable on firm bids.

Price Trends

Advanced

Coconut oil, crude, Pac. coast, ¼c. per lb.
Copra, $5 per ton.
Linseed meal, 50c. to $1 per ton.

Reduced

Cocoa butter, 3c. per lb.
Corn oil, crude, ½c. per lb.
Refd., ½c. per lb.
Cottonseed oil, crude, ½c. per lb.
Refd., ½c. per lb.
Grease, choice white, ¼c. per lb.
Lard, cash, ½c. per lb.
Linseed oil acid, 3/10c. per lb.
Linseed oil, 3/10c. per lb.
Peanut oil, crude, ¾c. per lb.
Refd., ¾c. per lb.
Soybean, meal, $1 per ton.
Soybean oil, crude, ½c. per lb.
Refd., ½c. per lb.
Tallow, edible, ¼c. per lb.
Inedible, ½c. per lb.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
117.82	117.82	115.00	102.00

For Current Prices see page 9

Vegetable Oils

Castor—Market was quiet. Domestic grades were quotably unchanged. No. 1 Brazilian oil was quoted nominally at 14¾c. to 14⅞c. per pound, tankcars, New York, prompt delivery. Castor beans also were inactive and nominal ranging from $95 to $100 per ton, f.o.b. Brazilian port, as to seller.

Import of castor beans and castor oil at New York and Philadelphia last week were as follows:

	Pounds	
	Castor Beans	Castor Oil
Last week	2,000,100	1,600,000
Previous week		
Corresponding week, 1957	184,950	3,360,000
Total this year	2,000,100	1,600,000
Corresponding period, 1957	184,950	3,360,000

Coconut—Trading was limited, but the market was firmer. Crude was advanced to 17¼c. per pound, tankcars, f.o.b. Pacific coast, prompt shipment, with bids ¼c. less. Light stocks on spot New York was held at 20¼c., and 19c. was asked for tankcars, late January-February delivery.

Corn—Crude was unsettled and slightly lower. Sales were noted at 11¾c. per pound, tankcars, f.o.b. mills, prompt delivery. Refined was reduced to 15.48c. per pound, tankcars, New York basis.

Cottonseed—Futures were unsettled by liquidation and some selling last week on the New York Produce Exchange, which temporarily caused prices to reacn new lows for the season.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, January 2, following:

	Sales	High	Low	Close
		Cents per pound		
March	303	12.90	12.65	12.81S
May	266	12.88	12.67	12.81S
July	41	12.71	12.49	12.55@12.62
Sept.	19	12.22	12.09	12.12@12.21
Oct.	2	12.12	12.03	12.02@12.15

Total sales and switches 631 contracts.

Market backed and filled reflecting the lower lard and other allied markets. Trad-Cash oils were quiet and easy, with the lower crude market. Refined salad oil was lower at 14c. per pound, tankcars, New York. Sales of crude were limited and were reported at 10⅞c. per pound, tankcars, f.o.b. mills, southeast and 10⅝c., in the Valley. Lubbock was quoted nominally at 10⅜c. and 10½c., Waco.

ing was light, the bulk of which consisted of switching operations from March to May delivery also March to July. Export interest continued slow, except that Poland was reported to be interested in about 1,500 tons of hydrogenated soybean oil.

Disappearance of refined cottonseed oil in November amounted to 2,095 tankcars against 2,048 in October and 2,530 in November in 1957. Estimated visible supply at the end of November was indicated at 14,990 tankcars compared with 11,198 for the same time in 1957.

Linseed—Continued slow demand coupled with stronger meal market resulted in the lowering of the price schedule for oil. Crushers cut prices 3/10c. per pound. Raw oil was quoted at 12½c. per pound, tankcars, Minneapolis, January-March delivery; 12.7c., April-June and 12.9c., July-September. Demand against current contract also slackened during the holiday season.

Minneapolis.—Crushers reduced linseed oil prices 3/10c. a pound, reflecting reduced flaxseed costs and continued strength in linseed meal. Slight pickup occurred in sales for delivery the first half of January, but forward bookings were near a standstill. Deliveries against old contracts were at a faster pace. Raw linseed oil was at 12.5c. a pound, in tankcars, f.o.b., Minneapolis, for January-March delivery; 12.7c., April-June; 12.9c., July-September; 12.8c., ex warehouse.

Shipments of linseed oil, in pounds, were as follows:

	1958-59	1957-58
Past week	4,020,000	1,980,000
Since Sept. 1	107,340,000	104,340,000

Flaxseed—Crushers showed little interest in replacements and reduced bids 5c. per bushel.

Minneapolis.—Crushers reduced bids for cash flaxseed 5c. a bushel, the first change since November 18. Weakness reflected limited production, a result of comparatively poor outlet for linseed oil. Usually there is a pickup in bookings of cash flaxseed ahead of a decline, but increase was scarcely noticeable on this drop because price is so low in relation to loan, 18c. under. Bids were at $2.95 a bushel, spot and to-arrive, basis Minneapolis. Three cars and 10,000 bushels in trucklots traded in the spot market, while to-arrive bookings amounted to 5 cars and 3 trucks. Arrivals for all accounts totaled 48 cars, compared with 77 a year ago. Shipped were 7 cars, against 12 last year.

Receipts and shipments of flaxseed, in bushels, were as follows:

	Receipts		Shipments
	1958-59	1957-58	1958-59
Past week	84,000	250,250	12,250
Since Sept. 1	8,793,350	10,673,500	1,190,000

Peanut—Market was easier and sharply lower. Crude sold down to 13c. per

Cottonseed Crush: November

Cottonseed received and crushed and production of cottonseed products during November and October, as compiled by Bureau of Census, follows:

Cottonseed

	November	October
	Tons	
Receipts at mills	1,112,360	1,643,000
Crushed or used	598,734	712,407
Stocks at mills	1,951,081	1,437,455

Crude Oil

	Pounds	
Produced	205,160,000	239,110,000
Stocks at mills	66,962,000	65,986,000

Cake and Meal

	Tons	
Produced	283,913	329,108
Stocks at mills	106,724	116,105

Hulls

	Tons	
Produced	137,882	160,223
Stocks at mills	121,533	121,077

Oils, Fats and Waxes

pound, tankcars, f.o.b. mills, southeast for prompt shipment. Refined was lower at 16½c., tankcars, New York basis.

Nearly 20 million pounds of shelled peanuts were crushed for oil and meal during November compared with about 21 million pounds during the previous month and about 18 million during November a year ago. The August 1-November 30 total crushed this season stands at nearly 59 million pounds or about a fifth below for the comparable period last season.

Soybean—This market was dull and easy. Crude was slightly lower, with trading reported at 9¼c. per pound, tankcars, Decatur, for January delivery. Some business also was noted at 8⅞c. for January-March delivery. February was offered at 9¼c., same basis. Refined salad was lower at 11.42c. per pound, tankcars, New York basis. Poland was reported interested in about 1,500 tons of hydrogenated oil for prompt and later delivery.

Consumption of crude soybean oil in November was reported at 5,616 tankcars against 6,234 in October, and 4,306 in November, 1957. Visible supply at the end of November was estimated at 21,648 tankcars against 19,776 in 1957.

Tung—Business was slow. Market, however, remained unchanged and steady. Tankcars were held at 21¼c. per pound, New York, January delivery and 21c. for February forward. Drums were quiet and unchanged at 22¾c. to 23¼c., spot according to quantity.

Miscellaneous

Cocoa Butter—Market was quiet and sharply lower. Prices declined to 86c. to 91c. per pound, spot, depending upon quantity.

Copra—This market was firmer following sales at $232.50 per ton, c.i.f. Pacific coast, prompt shipment. Offerings were raised to $237.50, same basis.

Fats and Greases

Greases—Trading was slow. Choice white was easier, reflecting the lower cost of lard and closed fractionaly lower. Prices were merely nominal at 7⅞c. to 8c. per pound, tankcars, delivered with sales reported at the lower figure. Yellow grease was nominal at 7⅛c., same basis.

Lard—This market continued weak and declined sharply, reaching new season lows. Trading was reported active at the lower levels. Cash lard was quoted at 9.85c. per pound, drums Chicago.

Tallow—Buying interest lagged both for domestic and export delivery. Prices were unsettled and entirely nominal due to the slow demand. Bleachable fancy was quoted nominally at 7¾c. to 7⅞c. per pound, tankcars, delivered; prime, 7½c. to 7⅝c.; special, 7⅜c. to 7½c. and No. 1, 7⅛c. to 7¼c., same basis. Edible tallow was weaker and nominal at 9c. to 9¼c., tankcars delivered. Export interest was nil as is usual at this season. Guaranteed fancy was nominal at 9c. to 9⅛c. per pound, drums, f.a.s. and 8c., bulk.

Cake and Meal

Linseed Meal—Scarcity of supplies for prompt delivery continued to feature this market.

Soybean Meal—Sales were quiet in this market, confined to nearby needs when inventories were exhausted. Trade watched break in futures at Chicago, looking for cheaper prices in the cash market. Most crushers reduced quotations $1 a ton. Trade advices indicated that any price break would be quite small and short-lived because much of January production is already sold and feed business continues excellent, especially in Iowa and other western markets. Eastern business was comparatively dull. Meal, 44 percent, was at $62 to $63 a ton, unrestricted, bulk, Decatur, for first half of January delivery; $60, last half January; $57.50 to $58.50, February-March.

Waxes, Vegetable

Firm tone continued to feature the carnauba market on spot and for shipment from Brazil. All carnauba grades were well held at the recent price advance due to the higher cost of replacements from Brazil which were maintained above the cost of material on the local market. Consuming demand for early next year delivery was fairly active for both crude and refined carnauba grades. Candelilla was in moderate request for quick delivery. Shipments from Mexico were not available until the latter part of January. No. 3 Ceara crude was held at 73c. to 75c. per pound, spot, as to quantity and Parnahyba crude at 74c. to 76c., same basis. No. 1 yellow Ceara was steady at $1.14 to $1.16 per pound and Parnahyba, 2c. more for spot delivery. Refined beeswax was unchanged and steady, with crude, which was offered sparingly from primary sources.

Soybean Crush: November

Soybeans received and crushed and production of soybean oil and meal during November and October, as compiled by the Bureau of Census, follows:

Soybeans

	November	October
	Tons	
Receipts at mills ...	1,261,585	3,531,336
Crushed or used ...	1,005,893	1,004,111
Stocks at mills	3,199,055	2,943,363

Crude Oil

	Pounds	
Produced	351,240,000	352,574,000
Stocks at mills	73,614,000	54,933,000

Cake and Meal

	Tons	
Produced	788,942	785,032
Stocks at mills	81,317	65,047

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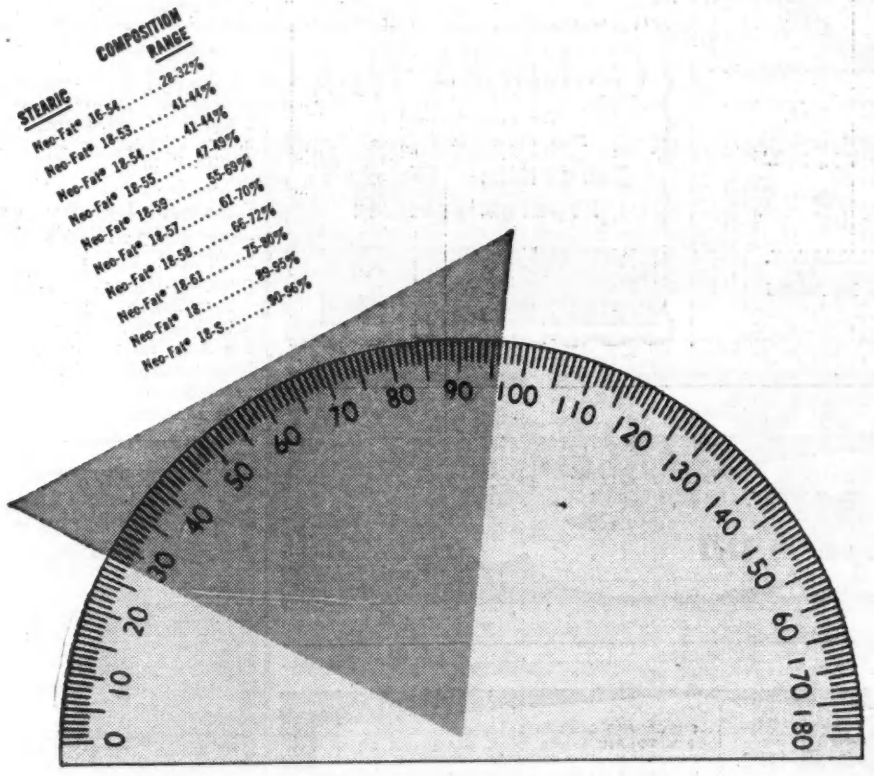

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Sulfur Spurted

—*Continued from page 4*

production was the result not only of lower consumption but also of increased imports and, more significantly, a cutback in stockpiling.

Of the total production, three quarters was brimstone mined by the Frasch hot-water process from salt dome deposits located along the coast of the Gulf in Louisiana and Texas.

Indicated Frasch production was approximately 4,650,000 tons, compared with 5,490,000 tons in 1957. Of the balance of the output, 630,000 tons represented elemental sulfur recovered from refinery gases and sour natural gas; 400,000 tons sulfur contained in pyrites; and 520,000 tons sulfur in various forms from other sources.

Twelve Frasch-process mines were in operation in the United States in 1958, including a new mine opened in May by Texas Gulf Sulphur Company at Fannett, Tex.

Both imports and exports of sulfur were up in 1958. Imports were at a record of approximately 760,000 tons, compared with 669,000 tons in 1957. The bulk—an estimated 600,000 tons—was Frasch sulfur produced from mines in Mexico.

Shipments Abroad Higher

Shipments abroad, all of which were made by the Frasch producers, were estimated at 1,575,000 tons, slightly higher than in 1957 and only 75,000 tons less than the record shipped in 1956.

To meet more effectively the increased competition abroad from foreign sources of sulfur, the four United States Frasch producers during the year formed the Sulphur Export Corporation to sell their sulfur outside the North American continent.

Chemical Industry May Gain

—*Continued from page 5*

Long Mott, Tex., and American Gilsonite Company, Fruita, Colo.

Mr. Knight noted that though the metals group might have competed before the AFL merged with the CIO, "it no longer has any right to interfere or compete with affiliate organizations."

In relation to the building trade unions, Mr. Knight contended that that craft union had gone on record to support its fellow interloper, the metals trade group, at the hearing.

He noted a number of situations where various craft unions, either as affiliates of metal trades or as affiliates of building trades, had violated the agreement to respect union jurisdiction by working out contracts with companies to take over running plant maintenance, long performed by members of the industrial unions.

Flavor Producers Merge

—*Continued from page 5*

among the largest in the industry, with 2,000 employees here and abroad, and development, manufacturing and distributional facilities in fifteen countries, including the United States, Canada, England, Switzerland, France, Holland, South Africa, Indonesia, and in South America.

Both of the merged companies produced materials through organic synthesis as well as from natural sources. However, Mr. van Ameringen stated, their activities had been almost entirely complementary rather than competitive in terms of products, processes, research, and the geographical location of plant facilities.

Principal officers of International Flavors & Fragrances are:

Board chairman, Mr. van Ameringen; president and chief executive officer, Charles P. Walker; executive vice-president, Mr. Brummer, and vice-president in charge of the Holland operations, Adolph Schwarz.

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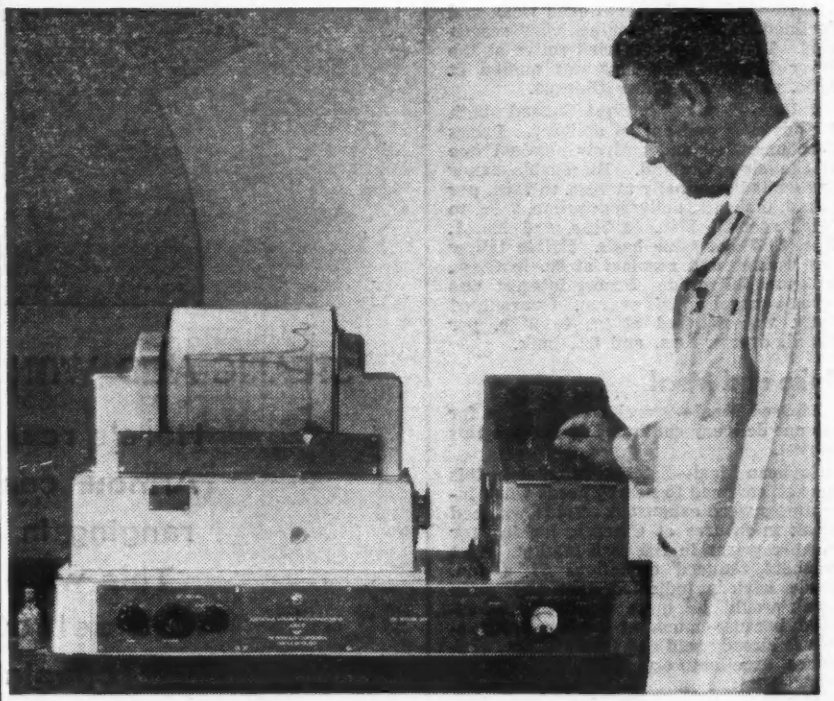

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Essential Oils, Aromatics

It was difficult to say what effect the currency devaluation, which took place last week, would have in essential oil markets. Sources pointed out that in the past, prices have tended to sag following a devaluation. It was evident that most traders expected lower prices, but not to the full extent of the 17½ percent devaluation of the franc which took place in France. At the close of the week, there was no clear cut price picture and silence on the part of French shippers was felt to be an indication that the situation would develop slowly over a period of weeks. There would be no rush to by French goods until the picture is clarified, it was said.

Price movements in oils markets were at a minimum. Eucalyptus oils were a little easier as demand has been "disappointing," according to some sources and dealers were anxious to move stocks at the end of the year. Bois de rose prices were lower, but it was felt that the oil had steadied at lower quotations and further easing was not expected. Rock-bottom prices on bois de rose, citronella and lemongrass oils have put heavy pressure on profit margins, sources said. Clove bud oil was unchanged at previously reported levels. The price has continued to fluctuate in a narrow range and some resistance to further declines appeared to have developed.

Bergamot oil remained strong on reports in recent weeks that the new crop would be no larger than the 1958 return. On this basis, it was felt that the quota system would continue to operate for at least another year. Quality grades of spearmint oil were commanding premium prices and the uptrend could continue in 1959 as available stocks are used without replacement. Geranium oil market was strong as has been reported in past weeks. This oil along with vetiver from the Reunion Islands would probably be influenced by the devaluation of the franc. On the other hand, other market factors enter into the picture, it was said, and the full effects would not be known for some weeks.

An advance in synthetic rhodinol was reported in aromatic chemicals last week. Drum price was set at $13 per pound, but it was pointed out that the bulk of trading is in smaller quantities, in cans. Range on the latter was $14 to $16, as to quantity. In seeds and spices, advance inquiry for pepper stocks was reportedly good, although the spot market was slow as a result of the holidays. Pimento market remained strong and advancing. Madagascar cloves were closely held on spot.

Price Trends

Advanced

Rhodinol, syn., $3 per lb.

Reduced

Bois de rose oil, Brazilian, 10c. per lb.
Peruvian, 5c. per lb.
Eucalyptus oil, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 3, 1958
148.23	147.87	147.90	145.88

For Current Prices see page 9

Essential Oils

Bergamot—The market remained strong on reports that the crop this year would be no larger than the return in 1958. With a succession of small crops and virtually no carryover, it appeared that the quota system would be in operation for at least another year.

Price was approximately 35% higher this year than in 1955. Sources have pointed out that continued price advances might serve to discourage use of this oil and thus make it difficult to place any larger crop which might be forthcoming in future years. No change in price appeared in the offing.

Bois de Rose—Brazilian oil was quoted at $1.90 per pound, 10c. below previous report. Peruvian was $1.80, a 5c. drop from previous listings. Markets have steadied at lower prices and further easing in price was not expected. Low prices have not stimulated demand to any great extent, it was said. Consuming interest was listless.

Dealers have pointed out that the low prices in this market, and in other oils markets such as lemongrass and citronella, have put heavy pressure on profit margins. Further declines, it was felt, could not be made and still maintain an adequate return. Weakness in oil price has carried over into rosewood derivatives.

Citronella—Market remains very weak and prices at low levels established all during last year. Late last year, the government of Formosa lowered the floor level on this oil from 85c. to 60c. per pound, f.o.b. Exports this year were expected to run to about one-half million pounds more than last year. In view of the current oversupply situation, it appeared unlikely that there could be any strengthening in price in this market for some time to come.

Clove Bud—It appeared resistance to further softening in this oil had developed. Listings have continued to move in a narrow range, it was said. Dealers were in somewhat better shape, pricewise, at the end of 1958 than in December, 1957. Quotations were at $2.60 to $3.35 as against a low of $2.40 quoted at the close of 1957.

Eucalyptus — Rectified, 70-75%, was quoted at 60c. and ranged up to $1.05. Eighty to 85% material ranged from 67c. to $1.20 per pound. Inside price represents a decline of 1c. from the best price previously reported in this market. The market remained quiet. Some sources termed demand "disappointing" for eucalyptus oils. Further softening in price was deemed unlikely in view of the current low levels being held.

Geranium—Market continued strong at previously reported levels. The upward trend in this market was continued two weeks ago, when dealers posted an advance on Bourbon grade geranium oil to $19-$21 per pound. Algerian was $16.50 to $18.50 per pound.

Lavender—It was uncertain what effect the devaluation of currency which took place last week would have in essential oils from France. Sources said that in the past the tendency has been for prices to sag a bit. This fact, coupled with reports from the Grasse indicating fully adequate stocks and moderate demand could mean falling prices in the coming year.

It was evident that many dealers here anticipated lower prices as a result of the devaluation, but not to the full extent of the 17½% devaluation. Also it was pointed out that current essential oil levels are so low as to make wholesale declines out of the question. Other factors enter into the price picture and only time would tell where a price advantage had been modified or nullified by the devaluation.

Rosemary — Listings continued unchanged from last report. Schedules listed Spanish, NF, material at $1 per pound to $1.35. Market has been slightly easier this month as the inside listing slipped 5c. per pound two weeks ago to the currently held $1 per pound. Demand was routine, according to trade reports.

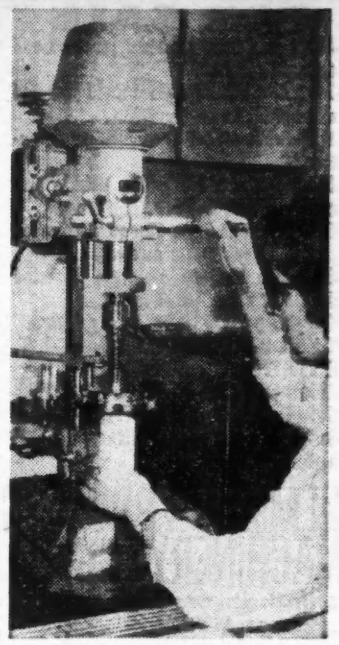
Spearmint—This oil remains a strong point in the essential oils picture here. Crop last year was below expectations. Prices of good quality oil were well held and further advances could be made as material is used before new crop replacement. Average return on last year's spearmint crop was 32c. per pound higher than during 1957, according to report of the Department of Agriculture.

Vetiver—Market remained strong, the latest increase having been an advance on Haitian oil, which raised the inside price to $11.50 per pound. The advances brought this variety of vetiver oil in line with other grades on the market. Price advances were said to have come about as a result of unsettled political conditions at the primary source.

Aromatic Chemicals

Geraniol—Price on extra grade, 92% ester, ranged from $1.60 per pound to $2.25. Soap grade was $1.35 per pound and material of 96% to 98% was quoted at $3.05 per pound.

Linalool—Price on E.O.A., ex Brazilian bois de rose, was quoted at $3.50 per pound in drums and ranged to $3.90, ac-



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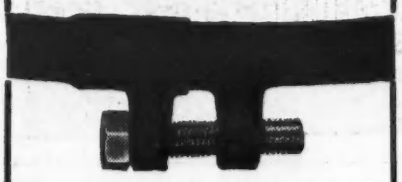

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Essential Oils

cording to quantity. Acetate was 35c. per pound higher. Trading has been well sustained despite the letdown usually experienced in the closing months of the year. A weak oil market has been reflected in prices in the derivatives.

Rhodinol—Price was reported at $13 per pound in drums. Listing on cans ranged from $14 to $16 per pound, as to quantity. Trade sources said the bulk of trading was in cans.

Vanillin—Market was steady at price levels established in the trade in July of last year. Sources pointed out that this market has shown good price stability. At $3 per pound for large lots, the price has not varied above or below that figure in the past decade.

Heavy seasonal demands have slackened, but producers reported good advance commitments for this month. Population growth and rising personal income have help expand this market as a wider variety of vanilla-flavored products have come into being.

Seeds and Spices

Cassias—Prices were slightly depressed as a result of year-end selling. Quantity of stock on hand was moderate and shipping business was reported slow. Spot and futures were practically on a par, it was said.

Cloves—Stocks of Madagascars were closely held on spot, but afloat offerings nearby were reported at reasonable levels. Supply outlook for the beginning of the year was a trifle clouded.

Ginger—Quotes on split Nigerian were steady. Prices on Cochin ginger were higher and reports from primary source indicate supplies are low. In some quarters, it was felt that low listings of the past two years have discouraged cultivation.

Pepper—Advance business was reported good to June. Interest was fairly widespread at slightly below current levels. Demand on spot was rather slow as a result of the holiday lull. Should renewed interest in spots be kindled in the next few weeks, some sources felt this would be the factor needed to reverse the downward trend.

Pimento—Market was strong and expected to continue advancing during the first three months. Shipments at source this month were estimated at approximately 6c. per pound higher than quotations in effect at the close of 1958.

P.A.'s Are Agreed

—Continued from page 4

cent tell of higher new orders, as compared to 47 percent in November. At the same time, a poorer position is reported by 21 percent, as compared to only 13 percent so reporting last month.

This slackening new order picture is reflected in the December production figures. Only 35 percent report higher output, compared with 52 percent in November and 54 percent in October. Also, 19 percent say their December production is down, an increase of 5 percent over November and 11 percent more than October.

Commodity prices have apparently reached another plateau and there is little movement either up or down.

Purchasing executives are not yet willing to embarrk on the inventory build-up program that is so universally being predicted by the experts. And, with practically all material continuing to be readily available, there is no change in the tight buying policy that has prevailed for months.

Employment is steady, but there is great reluctance to add people to pay rolls. This leads some of our members to conclude that a reduction in unemployment may be one of 1959's greatest problems.

Commodity Prices

Prices have lost their upward zip and a year-end lull has developed. Apparently, the present abundant supply of materials has tended to temporarily take the steam out of the price inflation movement that was resumed last August.

Members reporting that prices are unchanged from last month total 70 percent; only 27 percent tell of increases, as compared to 34 percent reporting increases a month ago. The remaining 3 percent are buying materials where price weaknesses have developed in the last thirty days.

Inventories

Despite the experts predictions of an impending inventory build-up program, purchasing executives are still unwilling to add to their stocks on hand. Only 23 percent of our committee tell of higher inventories, while 26 percent report further liquidation of stocks on hand. The majority, 51 percent, report no change.

High prices and the general availability of materials are the two most prevalent reasons for holding the line. Of course, the year-end taxes also play an important part in limiting stocks at this particular time.

Employment

Employment is steady; but, there is great reluctance to add people to pay rolls. Greater employment was reported by 22 percent of our members; 67 percent report no change, and 11 percent tell of a decrease.

Some of the spirited enthusiasm that prevailed three to four months ago for an immediate return to high employment seems to be waning. Many companies are meeting peak production requirements by scheduling overtime rather than increasing the size of the work force.

Buying Policy

In spite of generally optimistic business reports, purchasing executives are still reluctant to commit farther ahead than their current production schedules dictate.

December	*Hand to Month*	*30 Days*	*60 Days*	*90 Days*	*6 Mos. to 1 Yr.*
Production Materials	11	31	33	19	6
MRO Supplies.....	26	46	21	5	2
Capital Expenditures	11	6	13	23	47
November					
Production Materials	6	37	34	20	3
MRO Supplies.....	27	46	19	6	2
Capital Expenditures	13	2	19	23	43

Specific Commodity Changes

There is a lull in the upward movement of prices. Most changes in price, either up or down, reflect local situations or are the first market tests by committee members since announced price increases.

On the **up** side are: Raw sugar, rubber, steel castings, grinding wheels, wire rope, fuel oil, and ball bearings.

On the **down** side is: Steel scrap.

In **short** supply is: Helium.

Obituaries

Donald G. Rogers

Donald G. Rogers, retired president of National Aniline Division of Allied Chemical Corporation, New York, died December 30 in Ridgewood, N. J. He was sixty-six years old.

Mr. Rogers joined National Aniline in 1915. He became executive vice-president in 1950 and was named president in 1951. He retired in 1957.

Roy R. Conner, veterinary marketing manager of Schering Corporation, Bloomfield, N. J., died December 28 in Glen Rock, N. J. He was thirty-nine years old. Mr. Conner joined Schering in 1954 when the firm organized the veterinary unit.

J. P. Deery, president of Deery-Smith Chemical Company, Cleveland, Ohio, died December 25 in that city. He was sixty-five years old.

Elmer M. Nelson, director of the nutrition division of the Food and Drug Administration, died December 25 in Washington, D.C. He was sixty-six years old. Mr. Nelson was internationally known for his work in nutrition.

Science Gains Greater

—Continued from page 4

sponsored research in non-government institutions. In this connection, the report pointed out that the proportion of federal money spent outside the government on research is mounting steadily. By 1962, it said, two out of every three federal research dollars will go to private institutions doing work on contract.

• A series of steps "designed to emphasize the importance of planning to meet the capital needs of science." The report emphasized that "serious under investment" is handicapping programs in many fields.

SPECIALS

Pebble Mills: Patterson D 3 x 4' porc.
Pony Mixer: Troy 40 gal. 2-speed.
Standard-Knapp 429 carton Gluer/Sealer.
Percolators: Pfaudler, stainless, 54 x 42".
Mills: Fitzpatrick model D, st. st., jktd.
Crystallizers: 500 gal. stain. jack., agit.
Dryer: Porter 2 x 4' vac. drum, st. st.
Centrifugal: Tolhurst 26" rubber, 2-speed.
Mix-Mullers: Simpson Lab., Porte, #00.
3-roll Mill: Day 12x32" hi-speed, 2-speed.
3-roll Mills: Day type B 14 x 30" hi-speed.
Write us or call Seeley 8-1431.
Send us a list of your idle machines.
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CENTRIFUGES — FILTERS — EVAPORATORS — CRYSTALLIZERS

1—Bird 32" x 50" solid bowl continuous Centrifuge, 316 S.S.
4—Sharples C20 Super-D-Hydrators, 316 S.S.
2—Sharples PN14 Super-D-Canters, 316 S.S.
1—AT&M 26" suspended Centrifuge, perforated basket, 316 S.S.
2—Oliver 8' x 8' Precoat rubber covered Rotary Vacuum Filters.
1—Oliver 3' x 4' lead Rotary Vacuum Filter.
4—Sperry 36" rubber covered Plate & Frame Filters, 30 chambers.
4—Sperry 36" cast iron Plate & Frame Filters, 30 chambers.
4—Sperry 42" aluminum Recessed Filters, 36 chambers.
4—Shriver 36" wood Plate & Frame Filters, 44 chambers.
5—Struthers-Wells 8' dia. x 24' high rubber lined Vacuum. Crystallizers.

PULVERIZERS AND MILLS

1—New Raymond 5 Roll High Side Mill #5057, Double Whizzer Separator.
4—Mikro Pulverizers, 3TH, 2TH, motor driven.
2—Abbe 5' x 16' brick lined Mills.
3—30" dia. Stainless Steel Micronizers complete with Hoppers, Conveyors, etc.

KILNS AND DRYERS

1—Traylor 11' x 155' Rotary Kiln, 7/8" shell welded, 2 tires.
1—Vulcan 8' x 125' Rotary Kiln, 3/4" shell riveted, 2 tires.
1—Vulcan 8' x 50' Rotary Kiln, 7/8" shell welded, 2 tires.
2—Rennenberg 6' x 60' Rotary Kilns, 5/8" shell riveted.
1—Traylor 5' x 50' Rotary Dryer, 7/16" shell welded, 2 tires.
1—Proctor & Schwartz 8' wide x 60' long Conveyor Dryer, Stainless Steel Belt.

RUBBER LINED TANKS

4—3400 gal. 8' x 8' with Nettco Turbo Agitators, 15 HP motors.
1—4000 gal. 10' x 7'6" with Nettco Turbo Agitator, 10 HP motor.
1—4500 gal. 9' x 9' with Nettco Turbo Agitator, 3 HP motor.
1—5000 gal. 9' x 10' with Nettco Turbo Agitator, 15 HP motor.
5—8500 gal. Vertical Storage, 8'6" x 16' x 8' cone.
1—10,500 gal. Horizontal Storage, 10' x 18'.
1—13,000 gal. Horizontal Storage 8' x 35'.

STEEL TANKS

4—2000 gal. 7' x 7' with Nettco Turbo Agitators, 10 HP motors.
1—3000 gal. 8' x 8' with patterson Turbo Agitator, 10 HP motor.
1—5200 gal. 10' x 9' with Patterson Turbo Agitator, 10 HP motor.
15—Storage Tanks: 3800; 6000; 9000; 10,000; 15,000; 47,000 gals.

OTHER ITEMS

3—Worthington, I.R. Compressors: 1000, 500 & 365 cfm, 30 psi.
4—Worthington, I.R. Vacuum pumps, 1000 and 500 cfm.
11—Steel Buildings 20' to 80' trusses.
2—Shepard Niles 20 ton Overhead Cranes.
7—Dorr Thickeners; and 16' dia. with Tanks.
1—Bemus 50# Bag Packer with Sewing Machine, Conveyor and Flattener.
125—LaBour, Durco, Worthite, Duriron and Stainless Steel Centrifugal Pumps 2" to 6" with motors.

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BRILL FOR VALUES

REACTORS - KETTLES - EVAPORATORS - CONDENSERS - TANKS

1—4000 gal. 347 S.S. jacketed Reactor, 8' x 8'8", 150# internal.
1—3000 gal. 316 S.S. Reactor 7' x 10' with Turbo Agitator.
2—1500 gal. Pfaudler, glass lined, jacketed, agitated Reactor.
1—500 gal. Walters, 304 S.S. jacketed, agitated Reactor, 4' x 5'.
1—500 gal. Blaw-Knox, 347 S.S. jacketed, agitated Reactor.
1—1400 gal. Blaw-Knox, steel, jacketed, agitated Reactor.
1—550 sq. ft. Buflovak, monel, single effect Evaporator.
1—250 sq. ft. Buflovak, 304 S.S. forced circulation Evaporator.
1—20 sq. ft. Buflovak, 304 S.S. forced circulation Evaporator.
1—3500 gal. 304 S.S., jacketed, agitated Tank, 9' x 7'.
1—20,000 gal. 347 S.S. Vertical Storage Tank, 12' x 23'.
1—Struthers Wells 4000 gal. Horizontal 316 S.S. Tank with Agitator.
1—750 gal. nickel clad Mixing Tank, 125# internal, with nickel coils.
1—4000 gal. Haveg, vertical Tank, 8' x 12'.
1—12,000 gal. horizontal, steel Pressure Tank, 7'6" x 36', 200 psi.
8—Stainless Heat Exchangers; 1220, 942, 786, 536, 396, 315, 250, 157 sq. ft.
1—24" dia. x 35', 304 S.S. Bubble Cap Column.
1—30" dia. x 20', 304 S.S. Bubble Cap Column.

CENTRIFUGES

1—Bird 18" x 28", 316 S.S. Solid Bowl, Continuous.
1—Bird 24" x 38", Monel, Solid Bowl, Continuous.
1—Bird 18" x 28", steel, Solid Bowl, NEW.
2—Sharples PY14, PN14, Super-D-Canters, 316 S.S.
2—Sharples C20, C27 Super-D-Hydrators, 316 S.S. XP construction.
1—Sharples H2 Nozzlejector, 15 HP, 304 S.S.
1—Bird 48" Fume tight 316 S.S. suspended.
1—Bird 40" suspended, 347 S.S., imperforate basket, 1800 RPM.
1—Bird 40" suspended, rubber covered, perforated basket.
1—Hercules 40" center-slung, rubber covered, perforated basket.
1—Tolhurst 30", 304 S.S., underdriven, perforated basket.
2—Sharples #16, 304 S.S., 3 HP motor.

FILTERS

2—Oliver 5'3" x 8' Steel Rotary Vacuum, vapor-tite housings.
2—Sparkler 33S28 Filters, 150 sq. ft., 304 S.S.
1—Niagara 36H110 horizontal Filter, 110 sq. ft., 304 S.S.
1—Sparkler 33-S-17 steel Filter, 92 sq. ft.
1—#12 Sweetland Filter, 48 leaves, 3" centers, 640 sq. ft.
2—#10 Sweetland Filters, 27 leaves, 4" centers, 250 sq. ft.

DRYERS

1—Devine Vacuum Shelf with 19—59" x 78" shelves.
1—Devine Vacuum Shelf with 10—40" x 43" shelves.
2—Overton 42" x 120", Atmospheric, Double Drum.
1—Buflovak 48" x 40" nickel, single drum Flaker.
2—Devine 5' x 12', 4' x 9', Atmospheric, Single Drum.
2—Devine 3' x 8', TEFLON Coated, Rotary Vacuum.
2—Louisville Rotary Steam Tube, 5' x 20', 6' x 50'.
2—Rotary Kilns, 6' x 50', 9' x 130'.
3—Rotary Dryers; 6' x 50', 5'6" x 50', 5' x 30'.
2—Link Belt; 7'5" x 25' Monel, 6'4" x 24' 316 SS, Roto Louvre Dryers.
3—Louisville 8' x 50' Stainless Steel lined Rotary Dryers.

MIXERS

1—Baker Perkins #16TRM, 150 gal., jacketed, sigma blades, Vacuum, 50 HP motor.
5—Baker Perkins #15 JIM2, 100 gal. jacketed, sigma blades, 20 HP. motors. UNUSED.
5—Day "Cincinnatus" double arm, 250 and 100 gal.
3—1000# Powder Mixer, 7 1/2 HP XP motor.
5—Steel, jacketed Powder Mixers; 50, 225 and 350 cu. ft.

PULVERIZERS — MILLS

1—Hardinge 4½' x 24" Conical Ball Mill.
2—Abbe 5' x 6', 4' x 5', silex lined Pebble Mills.
5—Jeffrey Hammer Mills; 20" x 12", 15" x 8", motor driven.
1—FitzMill model D, 304 S.S., 7½ HP motor.
2—Kent, Ross, 6" x 14" Three Roll Mills.

MISCELLANEOUS

3—Swenson Walker Continuous Crystallizers, 24" x 30' sections.
3—25 ton Freon Refrigeration Units.
4—Rotex Sifters; 40" x 84", 60" x 84", Double Deck.
3—Robinson Gyratory Sifters, 30" x 104", Triple Deck.
8—Stokes DD2, B2, "R", and "F" Tablet Presses.
10—Nash Vacuum Pumps; H6, L5, L3, TS7, #2, MD572.
25—Chlorimet, Durimet and Duriron Centrifugal Pumps, 1½" to 6".

Partial List of Values — Send for News Flash!

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START THE NEW YEAR RIGHT

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19—Baker Perkins Size #17 Sigma-Blade Mixers, Jkt., 200 gal. working capacity, Screw Tilt, 30 HP motors and drives.
3—W. & P. 50 gal. Sigma-Blade Mixers, jacketed.
1—1400 gal. T316 SS Vacuum Still, ASME 175# wp.
1—Denver 4' x 10' Ball or Rod Mill, 60 HP.
1—Bird 18" x 28" Continuous Centrifugal, T304 SS.
2—Vacuum Shelf Dryers, 108 sq. ft., T316 SS.
1—F. J. Stokes 5' x 8' Rotating Vacuum Dryer, T304 SS, ASME, 1953.
3—Pfaudler 750 gal. Glass-Lined Reactors, Model "R", Jkt. & Agit.
1—Pfaudler 47 sq. ft. Glass-Lined Condenser, 1951.
1—Ross 6" x 14" 3-Roll Mill, Hi-Speed, Anti-Friction Bearings, 1953.
1—Crosley 6'8" x 7'6" Batch Pebble Mill, 1600 gal., Buhrstone.
3—Sharples Super-D-Hydrators, C-20, C-27, T316 SS.
7—Sharples #16 Super Centrifuges, T304 SS.
2—Nickel-Clad Evaporators, 400, 250 sq. ft., vert. Long-Tube.

EQUIPMENT IN STOCK

MILLS (BALL—PEBBLE—ROD)

4'6" x 16" Hardinge conical ball.
4' x 10' Denver, ball, 60 HP.
7' x 24' Compeb, 450 HP.
7' x 15' Rod Marcy, 300 HP.
5'6" x 22' ball-tube, Allis-Chalmers, 150 HP, 2" liners.
6' x 16' ball-tube, Allis-Chalmers.
4'6" x 12' contin., Patterson.
8' x 10' pebble, batch, Patterson.
6' x 8' pebble, contin., Patterson.
6' x 8' pebble, batch, Patterson.
6' x 5' pebble, batch, Porter.
5' x 6' pebble, batch, Abbe.

FILTERS, PRESSURE

510 sq. ft., vert., Niagara #510-28, T316 SS (Like New).
151 sq. ft., Sparkler #33-S-28, T304 SS leaves.
110 sq. ft., horiz., NIAGARA #36H-110-3, T304 SS, 1954.
80 sq. ft. Niagara, T304 SS, Jktd.
45 sq. ft., Niagara, #45, 30, SS.
Sweetland filters, #12, 7.
Alsop #SD-12-WR30, T316 SS.

CENTRIFUGALS, BASKET

48" suspended, T304 SS, A.T.&M.
40" suspended, steel, Bird.
36" centerslung, bronze, Tolhurst.
30" suspended T304 SS, Fletcher.
30" underdriven, T304 Fletcher.
12" underdriven, T316 SS, Fletcher.

DRYERS, DOUBLE DRUM

42" x 120" Buflovak—atm.
42" x 90" Buflovak—atm.
36" x 84" American—VACUUM.
32" x 72" Buflovak—atm.
32" x 52" Buflovak—atm.
22" x 38" Witteman—atm.

DRYERS, VACUUM SHELF

356 sq. ft. Devine, Steel.
108 sq. ft. ANDERSEN, T316 SS.
80 sq. ft. Devine, UNUSED.
36, 24, 12 sq. ft. Stokes, steel.

CRUSHERS

Gyratory, Kennedy, #49S, 100 HP.
Double-roll, 24" x 24", 20 HP.
Sawtooth, Robinson #13, 15 HP.
Jaw, 20" x 6", Bacon.
Jaw, 18" x 9", Mitchell, 25 HP.

MILLS PULVERIZERS

Raymond Roller Mills, #3036 (3,-roll), hi-side; #15 (6-roll) 66" low-side.
Hammermill, 400 HP, 47" x 60", Penna. CRUSHER, #5060, 1952, non-clog, UNUSED.
Hammermill, 60 HP, Penna. Crusher, #C-3-30.
Pulverizer, 75 HP, Babcock & Wilcox, #E-32, ball type.
Hammermill, 50 HP, Jeffrey.

ROTARY DRYERS & KILNS

11' x 155' Kiln, 3/4" shell.
8' x 170' Kilns, brick-lined.
8' x 125' Vulcan Kiln, 3/4".
8' x 115' Kiln, brick-lined.
8' x 70' Dbl. shell, Hardinge.
6' x 50' steam tube, Louisville.
5'6"x50' Renneberg, 3/8" shell.
5' x 50' Traylor, 7/16" shell.
4'8" x 33', 3/8" shell.
4'6"x40' Ruggles-Coles, 5/16".
4'6" x 32' steel shell, 3/8".
4' x 24' brick-lined (Kiln).
4' x 12'6" Sturtevant, SS.
3' x 15', Everdur metal shell.
Link-belt "Mono-tube" Dryer, 10'.
Link - Belt "Roto - Louvres"; #604-24, T316 SS; #310-20.

LIQUIDATING

RAYON MANUFACTURING PLANT (TENNESSEE)

24—200 gal. Baker Perkins jkt. Sigma-Blade Mixers, #17-VII.
12—30" Sperry P. & F. Filter Presses, C. I., 17 chambers, closed delivery.
2—30" Sperry "Ni-Resist" P. & F. Filter Presses, 20 chambers.
3—Nash H-5 and L-4 Hytor Vacuum Pumps.
10—Stainless Steel Acid Pumps, 6"—4"—3"—2" sizes.
7—Steel Shell & Tube Heat Exchangers—440 & 1400 sq. ft.

120,000 SQUARE FEET OF EQUIPMENT IN STOCK AT

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RAYMOND #50 IMP MILL, with 50 HP TEFC motor

ROTO - CLONE AIR SEPARATORS, type D size 6 and 14, type W size 8

STURTEVANT #2 MOTO - VIBRE SCREEN Twin unit 3'x6' double deck

DAY 12"x32" 3 ROLL PAINT MILL 2 speed high speed, 30/20 HP

PANGBORN SIZE 215 DUST COLLECTOR 1000 CFM, 3 HP motor

NETTCO PASTE MIXERS, 200 gal. 7½ HP, Ex prf, 400 gal. 15 HP ex prf

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EQUIPONOMICS

HOMOGENIZER — Manton Gaulin, S.S. Model 500E, 500 GPH, 5000 PSI.
OLIVER VACUUM FILTERS—S.S. 316, 3' x 6' Complete. (1954).
MICROPULVERIZER—1 SH Stainless.
EVAPORATORS—Single effect—All Monel 290 sq. ft. 150 sq. ft. Complete.
CENTRIFUGES—Tolhurst 26" Monel; 40" S.S. Susp; 40" Rubber Covered.
FILTER PRESSES—Shriver 36" x 36"—34-1½" Rubber Covered Frames.
PFAUDLER—G/L Kettles 75, 200, 300, 600 gal.
HARDINGE Conical Ball Mills, 4½' x 16".
MIXER, DAY—2½ gal. D.A. Sigma, Jack., Vacuum, 5 H.P.

PROCESS PLANTS SERVICE, INC.
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MACHINERY — ANYONE?

Thropp 18 x 50" two roll Mill, m.d.
Ribbon Blenders, 3½, 80, 200 cu. ft
Jeffrey 24 x 18 Hammer Mills, 30 h.p. motors.
Robinson 20 x 48" Gyro Sifter, m.d.
Lydon 32 sq. ft. steam heated Tray Dryer.
Day 75 & 150 gal. jack. d.a. Mixers, m.d.
Alberger 1 ga. agitated Autoclave.
Stokes "T" single punch Tablet Mch. vari-drive.
#2 Sweetland Filter, leaves on 2" centers.

WHAT DO YOU HAVE FOR SALE?

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SAVE ON GOOD USED MACHINERY

CENTRIFUGALS—12", 30", 40" & 48".
CENTRIFUGES—Sharples #5 Stainless. Also #6.
DRYERS—Allright Nell 4' x 9' Atmos. Drum Dryer.
Buffalo Vac. Drum Dryer 24" x 20".
Vac. Shelf & Rotary Dryers.
FILLERS—Powder & Liquid. Also Labelers.
FILTERS—Vallez type 49, with 41 Stainless covered leaves.
#2 Sweetland 12 Stainless covered leaves.
Ertel 6" & 10" Disc type.
FILTER PRESSES—6" to 36" Iron & Wood.
KETTLES—Stainless Jack. 80, 60, 50 gal.
Dopp 350 gal. Cast Iron Jack. Vacuum.
Devine Impreg. Units 30" & 36" dia.
Lead Lined Kettle 250 gal.
Steel, Alum. & Copper 5 to 2,000 gals.
MILLS—Raymond #00 Pulverizer 30 HP complete. Also #0000.
Mikro Pulverizer #4, 2S1, 2TH, 1SH, Bantam.
Hammer Mills & Pulverizers 3 to 50 HP.
Williams #BB, #3 & #2XX Hammer Mills.
Ball & Jewell Rotary Cutters Lab. to 50 HP.
Pebble, Jar & Ball Mills, Lab. to 6' x 5'.
Steel 3 Roll 9" x 32", 12" x 30" & 16" x 40".
Lehmann 4 Roll W. C. 12" x 36" Steel Colloid Mills Stainless Steel 5 & 1½ HP.
MIXERS—Baker Perkins 100 gal. Jack.
Day Imperial 75 & 150 gals. Jacketed.
Day Pony Mixers 8, 15, & 40 gals.
Day Jumbo 700 gal. horiz. Mixer.
Blystone 3000# horiz. spiral Mixer.
Dry Spiral Mixers 50 to 3000#.
Lancaster 6' dia. vert. mixer 25 HP.
PUMPS—Stokes, Buffalo etc. Vac. 10 to 500 CFM.
Gould 75 HP Centrifugal 250 PSI.
SIFTERS—Day, Robinson etc.
SOAP MACHINERY—Toilet, Laundry, etc.
TABLET MACHINES—Stokes RD3 Rotary. Also Single & Rotary ½" to 3".
TANKS—Stainless, GI, Lined, Steel.
MISC.—Boilers Gas & Oil, Conveyors.

Partial Listings — Write for Bulletins

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CENTRIFUGALS

Tolhurst 40" Susp. Stainless 15 7½ HP.
Fletcher 40" Susp. Steel 15/7½ HP.
Fletcher 30" Susp. 316 S.S., Vaportight.
Merco Model B-16 Bronze 20 HP.
Bird 18"x28" Continuous 304 S.S.
Bird 32"x50" Continuous 316 S.S.
Bird 18"x28" Continuous Steel.
Sharples C-20 and C-27 Super-D-Hydrators.
Sharples PN 14 Super-D-Canters 316 S.S.

KILNS — DRYERS

Louisville 6'x50', 6'x25' Steam Tube.
Link Belt 502-16 Roto-Louvre Steel.
Link Belt 705-24 Roto-Louvre Steel.
Link Belt 604-24 Roto-Louvre 316 S.S.
Ruggles-Coles 8'8" x 70' Type XA-18.
Buffalo 6'x45', Monel Lined.
Bros. Eng. 5'x40' with 2'x28' Cooler.
Bonnot 7'x60' with Lifters 40 HP.
United Iron Wks 8'x115' with drive.
Traylor 11'x155', Vulcan 8'x125'.

MILLS — PULVERIZERS

Jeffrey 36"x24"—50 HP.
Jeffrey 24"x18" Type A-2, 30 HP.
Jeffrey 20"x12", and 15"x8" Type A.
Penna. #C3-30 Hammermills 60 HP.
Raymond #3036 High Side 3 Roll Mill.
Raymond #1 Impact Pulverizer.
Raymond #0000 & #00 Impact and Screen.
Fitz Model K14 Comminuter 316 S.S.
Mitts & Merrill Size 15 CF Hogs.
Komarek-Greaves 30"x14'4" Pug Mills.
2TH-3TH-4TH Mikro Pulverizers.

VESSELS — TANKS

Pfaudler 750 gal. glass lined jktd., agit.
Pfaudler 200 gal. glass lined jktd., agit.
Nooter 750 gal. steel jktd. 300 psi.
2500 gal. Hastelloy "B" Tank with coil.
50 gal. jktd. Stainless 50 psi.
Girdler 9"x46" Votator 316 S.S.
72"x30' Bubblecap Column 20 tray 316 S.S.
Braun 24" x 60' Column 30 tray Steel.
Karbate 19"x12'5" Column, New.
8'x15' Stainless Clad Tank 5600 gal.
8'x15' Rubber Lined Tank 5600 gal.
53"x57" Rubber Lined Tanks 550 gal.
7'x33'6" Steel Pressure Vessel 200 psi.

FILTERS

Industrial Type SSA-2, 195 sq. ft., all S.S.
Sweetland #10 with 36-30" S.S. Leaves.
Sweetland #12, with 48-36" Leaves.
Niagara #73-16 w/7-304 S.S. Leaves 54 sq. ft.
Shriver 24"x24" Wood P & F 36 Chambers.
Sperry 18"x18" Rub. Cov. P&F 15 Chambers.
Feinc 5'x3' String Discharge.
Oliver 9'6"x15' Rotary Vac. Rubber Lined.

MISCELLANEOUS

Condensers—100; 150; 330 and 480 sq. ft. shell & Tube in Stainless Steel & Admiralty.
Stokes DDS-2 Tablet Presses.
Stokes "R" Single Punch Tablet Presses.
Buflovac 4'x9' Double Drum Dryer.
Struthers-Wells 6'6" Conical Blender 304 S.S.
Tyler Hummer Screens 4'x6', 4'x8'.
Komarek-Greaves Briquett Presses 27"x23".
Bucket Elevators 60' to 90' Centers.
Troughing Belt Conveyor—16" and 24".

WRITE FOR BOOKLET #12580

HEAT & POWER Co., Inc.
PROCESS EQUIPMENT DIVISION
60 EAST 42nd ST. NEW YORK 17, N.Y. MUrray Hill 7-5280
310 THOMPSON BLDG. TULSA 3, OKLAHOMA Diamond 3-4890

EQUIPMENT
for CHEMICAL AND ALLIED INDUSTRIES

3—Louisville SS rotary dryers, 8' x 50', complete.

1—Louisville rotary steam tube dryer, 8' x 45'.

4—Link Belt steel roto louvre dryers, 207-10, 310-16, 310-20, 604-20.

1—Traylor rotary dryer, 4' x 40'.
4—Stokes jacketed steel rotary vacuum dryers, 3' x 15'.

1—Stokes SS jacketed rotary vacuum dryer, 3' x 15'.

1—Stokes SS jacketed rotary vacuum dryer, 2' x 6'.

1—Louisville SS rotary driver, 30" x 28'.

1—Simpson 18" Muller.

1—Baker Perkins #16TRM, 150 gal. double arm sigma blade mixer.

1—Simpson #O intensive mixer.

10—Baker Perkins, 100 gal. double arm jacketed sigma blade mixer.

1—Steel and Alloy Tank Co. 3000 gal. type 316 SS jacketed reactor, complete with agitator and Philadelphia gear drive motor.

1—Readco, 25 gal. SS, jacketed, vacuum, double arm sigma blade mixer.

1—Leader SS 51 cu. ft. horizontal ribbon blender.

3—Howes 40 cu. ft. rubber covered ribbon blenders.

1—Tolhurst 32" suspended type centrifuge with imperforate basket.

3—Tolhurst center slung 40" and 48" rubber covered perforated baskets.

2—Tolhurst suspended type centrifuges, 26" and 30" baskets.

1—Tolhurst suspended type centrifuge with 26" perforated basket.

1—Bird 32" x 50" type 316 SS solid bowl continuous centrifuge.

4—Sharples C20 Super-D-Hydrators.

1—Bird 24" type 316 SS horizontal centrifuge, Model CH-253, complete with motor.

2—Swenson type 316 SS vacuum crystallizers, 2'6" and 3'6" vapor chests.

1—Tippett & Wood 2500 gal. steel jacketed kettle.

1—Nickel 5000 gal. horizontal tank.

4—Pfaudler glass lined jacketed reactors, 20, 100 and 300 gal. capacity.

2—Blaw-Knox distillation columns 36" x 40' with 24 trays.

30—SS heat exchangers 50 to 1500 sq. ft.

250—Steel heat exchangers 50 to 1500 sq. ft.

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Polyethylene Concern

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polyethylene production facilities. In April of last year, a Union Carbide plant went into production of polyethylene at Grangemouth, Scotland.

Another plant of approximately 30 million pounds capacity, a joint venture of Union Carbide and the Italian company, Societa Edison S. A., is under construction in Sicily and will be in operation this year.

Union Carbide presently manufactures both high- and low-pressure polyethylene, polystyrene, vinyl and phenolic resins.

Chemical Industry's Problem

—Continued from page 7

able conclusion, Mr. Bowman pointed out, company salesmen are fortified with a "marketing mix."

This he described as a combination of product, field sales effort, advertising, public relations, promotion, packaging and technical services.

There is no set formula for this marketing mix, Mr. Bowman said, although the ingredients are always the same. The difference lies in the stress given to each ingredient.

IMPORTS at United States Ports

New York

AMBER OIL—1 dm, Grace National Bank, Puerto Cortes
AMMONIUM BICARBONATE—100 dms, Chemical Manufacturing Co, Liverpool
ANILINE DYES—6 dms, Hensel Bruckmann & Lorbacher, Rotterdam
2 cs, Atlanta Chemical Corp, Liverpool
15 dms, Heemsoth Kerner, Liverpool
5 dms, Ciba Co, Liverpool
2 dms, Geigy Chemical Corp, Havre
143 dms, Sandoz Inc, Bremen
41 dms, Hensel Bruckmann & Lorbacher, Bremen
23 dms, Sandoz Inc, Havre
32 dms, Carbic Color & Chemical Co, Rotterdam
56 dms, Hensel Bruckmann & Lorbacher, Hamburg
357 dms, Rotterdam
ANNATTO SEED—299 bgs, Dorf International, Guayaquil
210 bgs, Marcel Calvet, Callao
268 bgs, Chase Manhattan Bank, Callao
130 bgs, Callao
ANTIMONY—20 cks, Watson Geach, Glasgow
ANTIMONY OXIDE—340 bgs, C Gitlan, Antwerp
ANTIMONY REGULUS—100 cs, Antwerp
ARSENIC—50 dms, Gothenburg
ASBESTOS FIBER—200 bgs, Antony Gibbs & Co, Port Elizabeth
80 bgs, N American Asbestos Corp, Capetown
2,021 bgs, Johns Manville Corp, Capetown
5,020 bgs, Johns Manville Corp, Lourenco Marques
4,832 bgs, N American Asbestos Corp, Lourenco Marques
700 bgs, Bankers Trust Co, Lourenco Marques
2,000 bgs, Johns Manville Corp, Durban
BABASSU OIL—400 tons, E F Drew & Co, Sao Luiz
BALL CLAY—2,400 bgs, United Clay Mines Corp, Avonmouth
BARBASCO ROOT—259 bls, National City Bank, Callao
463 bls, Callao
BARIUM CHLORIDE—1,000 bgs, Harry Dixon & Sons, Antwerp
BARIUM HYDROXIDE—232 bgs, Rotterdam
BARIUM SULFATE—200 dms, Picker X-Ray Corp, London
30 dms, Roussel Corp, Marseille
BEESWAX—370 bgs, Empire Trust Co, Porto Alegre
158 bgs, Bank of London & S A, Porto Alegre
3 bbls, Lenape Trading Co, Cap Haitien
286 bgs, Bank of London & S A, Santos
128 bgs, S Zeitlins Sons, Santos
25 bgs, Machado & Co, Ciudad Trujillo
94 bgs, Puerto Plata
BILE, OX—7 dms, Merck & Co, Durban
5 bbls, Kane Import Corp, Santos
BILE ACIDS—12 dms, Merck & Co, Buenos Aires
BLANC FIXE—1,000 bgs, C J Osborn Co, Rotterdam
441 bgs, Rotterdam
BLOOD, DRIED—300 bgs, Myers Sales Co, Copenhagen
BOIS DE ROSE OIL—6 dms, Callao
BUTANEDIOL—7 dms, Vineland Chemical Co, Rotterdam
CADMIUM—50 cs, Antwerp
CALCIUM OXIDE—12 cs, Natural Nydegger, Rotterdam
CALCIUM PHOSPHATE—1 dm, Westinghouse Electric Co, Hamburg
CANDELILLA WAX—313 bgs, Tampico
CARAWAY SEED—120 bgs, Louis Furth, Copenhagen
100 bgs, Rotterdam
CARBON, ACTIVATED—18 bgs, Connor Engineering Corp, Gothenburg
CARBON, DECOLORIZING—10 bgs, R W Greeff & Co, Rotterdam
CARDAMOM—70 cs, Wm E Martin & Sons, Puerto Barrios
CARDAMOM SEED—28 cs, Wm E Martin & Sons, Puerto Barrios
CARNAUBA WAX—334 bgs, F J Henjes Jr, Fortaleza
111 bgs, Cornelius Wax Refining, Fortaleza
111 bgs, M Argueso & Co, Fortaleza
222 bgs, Frank B Ross, Fortaleza
338 bgs, Biddle Sawyer Corp, Parnahiba
100 bgs, Smith & Nichols, Salvador
258 bgs, N American Cocoa Trading Co, Salvador
600 bgs, Irving Trust Co, Parnahiba
100 bgs, Colonial Trust Co, Recife
50 bgs, Bankers Trust Co, Recife
125 bgs, W J Byrnes, Rio de Janeiro
CAROBS—100 bgs, Norwalk Mills, Piraeus
100 cs, Meer Corp, Piraeus
CASEIN—360 bgs, W L Willner Co, Melbourne
1,120 bgs, Borden Chemical Co, Melbourne
3,390 bgs, Tupman Thurlow Buenos Aires
1,100 bgs, Cone Close Co, Buenos Aires
2,900 bgs, F C Gerlach, Buenos Aires
200 bgs, Chase Manhattan Bank, Buenos Aires
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CASTOR OIL—250 tons, Spencer Kellogg, Recife
300 tons, Baker Castor Oil Co, Santos
250 tons, Recife
CETYL ALCOHOL—100 dms, Olympic Shipping Co, Liverpool
CHLORINATED RUBBER—200 bgs, C M C Chemicals Inc, Liverpool
CINNAMON QUILLS—200 bls, Delano Corp of America, Colombo
50 bls, Fritzsche Bros, Colombo
CITRONELLA OIL—17 dms, Magnus Mabee & Reynard, Galle
64 dms, Volkart Bros, Galle
25 dms, Export Import Service, Hong Kong
25 dms, Polarome Manufacturing Co, Hong Kong
25 dms, Hong Kong
COALTAR DYES—2 dms, Interchemical Corp, Gothenburg
20 dms, C A Haynes, Rotterdam
7 dms, Rotterdam
20 dms, Rotterdam
COCONUT OIL—1,000 tons, E F Drew & Co, Cebu
COCONUT OIL, HYDROGENATED—40 tons, Fallek Products Co, Rotterdam
COLOMBO ROOT—205 bgs, Lourenco Marques.
CORN OIL—100 tons, A E Staley Manufacturing Co, Rotterdam
CORN STARCH—200 bgs, American Key Products, Antwerp
994 bgs, Rotterdam
CRESYLIC ACID—25 tons, Van Oppen & Co, London
323 dms, Van Oppen & Co, Liverpool
693 dms, Midland Tar Distillers, Avonmouth
24 dms, Hamburg
CUBE POWDER—160 bgs, Foreign Domestic Distributors, Callao
CUMIN SEED—300 bgs, Chase Manhattan Bank, Khorramshahr
182 bgs, M J Golombeck, Marseille
77 bgs, Istanbul
CYANURIC CHLORIDE—220 dms, Geigy Chemical Corp, Yokohama
DEXTRIN—600 bgs, Manufacturers Trust Co, Rotterdam
200 bgs, Beacon Freight Co, Rotterdam
755 bgs, Rotterdam
DINA ACID—24 dms, Hensel Bruckmann & Lorbacher, Bremen
DRY COLORS—2,400 bgs, Naftone Inc, Bremen
EARTH COLORS—1,800 bgs, Naftone Inc, Rotterdam
886 bgs, Landers Segal Color Co, Rotterdam
4,600 bgs, Naftone Inc, Bremen
1,000 bgs, C J Osborn Co, Avonmouth
EPHEDRINE HYDROCHLORIDE—6 bbls, Hensel Bruckmann & Lorbacher, Bremen
EPSOM SALT—362 bgs, Hamburg
EUCALIPTOL—52 dms, Seville
FERROUS GLUCONATE—10 bbls, Hamilton Blair Inc, London
FISHLIVER OIL—5 dms, Mitsubishi International Corp, Yokohama
FISHMEAL—1,094 bgs, Marine & Animal By-Products Corp, Arica
FULLERS EARTH—460 bgs, L A Salomon & Bro, Avonmouth
400 bgs, L A Salomon & Bro, London
GALL—11 bbls, J M Rodgers Co, Brisbane
GALL, OX—13 bbls, Tupman Thurlow, Havana
4 cks, F J Benkart & Co, Buenos Aires
GELATIN—100 bgs, Medico Chemical Corp, Rotterdam
100 bgs, Hensel Bruckmann & Lorbacher, Rotterdam
80 bgs, Duche Uni Gum Corp, Antwerp
200 bgs, B Young & Co, London
GLUCOSE—91 dms, American Key Products, Rotterdam
GLUE—450 bgs, Jung Forwarding Co, Avonmouth
434 dms, M Corbett & Co, Marseille
GLUE STOCK—350 bls, Barranquilla
GRAPHITE—600 bgs, Joseph Dixon Crucible Co, Bremen
GUAR GUM—446 bgs, Morningstar Paisley Inc, Genoa
100 bgs, Duche Uni Gum Corp, Rotterdam
1,245 bgs, Stein Hall & Co, Bombay
50 bgs, P A Dunkel, Rotterdam
GYPSUM—320 bgs, Hammill & Gillespie, London
HEXACHLOROETHANE—100 bgs, Chemical Manufacturing Co, Liverpool
HORNMEAL—1,286 bgs, Transatlantic Animal By Products Corp, Santos
IODINE, CRUDE—96 kgs, Mitsubishi International Corp, Yokohama
IRON OXIDE—448 bgs, Whittaker Clark & Daniels, Liverpool
IRON POWDER, CRUDE—54 dms, Hensel Bruckmann & Lorbacher, Rotterdam
JABORANDI LEAVES—53 bls, International Expediters, Parnahyba
KARAYA GUM—230 bgs, Meer Corp, Bombay
128 bgs, Colony Import & Export Corp, Bombay
LACTIC ACID—40 cbys, Rotterdam
LAUREL LEAVES—86 bls, Hismoco American Co, Izmir
LAVANDIN OIL—4 dms, Coutin Associates, Marseille
LEAD ACETATE—1 cs, American Firstoline Corp, Hamburg
LEMON OIL—4 dms, Ungerer & Co, Vera Cruz
7 dms, Magnus, Mabee & Reynard, Vera Cruz
LITHARGE—190 dms, Eagle Picher Co, Tampico
LIVER EXTRACT—24 dms, Wilson & Co, Buenos Aires
LIVER PASTE—1 dm, Tec Chemical Corp, Montevideo
LIVER POWDER—87 dms, Van Gelder Fanto Corp, Buenos Aires
15 dms, Tec Chemical Corp, Montevideo
LOCUST BEAN GUM—314 bgs, Stein, Hall & Co, Genoa
100 bgs, Duche Uni Gum Corp, Barcelona
300 bgs, Duche Uni Gum Corp, Rotterdam
300 bgs, P A Dunkel, Rotterdam
200 bgs, Colony Import & Export Corp, Portimao
LOGWOOD EXTRACT—51 dms, American Dyewood Co, Kingston
MACE—5 cs, Wm E Martin & Sons, Rotterdam
MAGNESITE—20 bgs, Smith Chemical & Color Co, Rotterdam
MAGNESIUM CARBONATE—1,200 bgs, Reheis Co, Liverpool
MALALEUCA OIL—8 dms, S B Penick & Co, Sydney
MANGROVE BARK—1,352 bgs, Bowring & Co, Beira
MANGROVE EXTRACT—450 bgs, Karl Schroff & Associates, Lourenco Marques
112 bgs, Lourenco Marquez
MARJORAM LEAVES—100 bgs, Louis Furth, Marseille
MENTHOL—175 cs, Daiichi Bussan Kaisha, Santos
MINERAL OIL—400 dms, Asiatic Petroleum Corp, Rotterdam
MOLASSES—9,977 tons, Standard Brands, Korsor
MUSK, ARTIFICIAL—7 dms, Roure-Dupont Inc, Rotterdam
15 dms, Centflor Manufacturing Co, Rotterdam
MUSTARD SEED—80 bgs, J W Beardsley Sons, London
401 bgs, C Gulden, Copenhagen
MYROBALANS—1,230 bgs, Hammond & Carpenter, Visakhapatnam
2,543 bgs, Olson Importing Co, Visakhapatnam
NAPHTHALENE—1,499 bgs, Gallard Schlesinger, Antwerp
3,133 bgs, Standard Naphthalene Products Co, Liverpool
835 bgs, J N Forker, Liverpool
NAPHTHENIC ACID—90 dms, Esso Standard Oil Co, Barranquilla
1-4 NAPHTHOQUINONE—400 bgs, M W Hardy & Co, Kobe
NUTMEG—150 bgs, Karl H Landes & E Balint, Port of Spain
OCHER—800 bgs, Smith Chemical & Color Co, Mossel Bay
OLIVE OIL—83 dms, Uddo & Taormina Co, Haifa
106 dms, Swiss Credit Bank, Barcelona
OPIUM—100 cs, Mallinckrodt Chemical Works, Istanbul
ORANGE OIL—22 dms, Lourenco Marques
OURICURY WAX—100 bgs, N American Cocoa Trading Co, Salvador
PALMAROSA OIL—2 pots, J Manboi, Bombay
PALM OIL—730 tons, Balfour Guthrie, Matadi
PALMKERNEL OIL—140 dms, B M T Commodity Corp, Rotterdam
300 tons, Matadi
PAPAIN—32 cs, Matadi
PAPAYA LEAVES—100 bgs, Meer Corp, Colombo
PAPRIKA—350 bgs, Schoenfeld & Sons, Hamburg
200 bgs, Brown Bros, Hamburg
200 bgs, Glidden Co, Hamburg
400 bgs, Meer Corp, Hamburg
200 bgs, Mutual Spice Co, Hamburg
150 bgs, Woolson Spice Co, Hamburg
100 bgs, Pepper Products Co, Hamburg
PEARL ESSENCE—4 cs, Rotterdam
PEPPER, RED—100 bgs, Hismoco American Co, Kobe
100 bgs, Wm E Martin & Sons, Kobe
160 bgs, M J Golombeck, Kingston
PETIT GRAIN OIL—13 dms, George Uhe Co, Buenos Aires
11 dms, National City Bank, Buenos Aires
g-PICOLINE—15 dms, Liverpool
PIMENTO LEAF OIL—1 dm, Felton Chemical Co, Kingston
POLACKLIVER OIL—65 dms, J H Faunce, Yokohama
100 dms, Mitsubishi International Corp, Yokohama
POLYVINYL CHLORIDE RESIN—1,200 bgs, E W Seward, Yokohoma
2,000 bgs, H Bedos & Co, Yokohama
1,600 bgs, C Itoh & Co, Yokohama
POPPY SEED—300 bgs, R J Spitz, Copenhagen
400 bgs, C M Van Sillevoldt, Rotterdam
POTASSIUM GUAIACOL—10 dms, Havre
POTASSIUM METABISULFITE—100 dms, R Reifenberg, Rotterdam
67 dms, American Firstoline Corp, Hamburg
POTASSIUM SILICOFLUORIDE—500 bgs, Dorf International, London
PRUSSIAN BLUE—10 dms, Tar Residuals Inc, Rotterdam
PYRIDINE—20 dms, Van Oppen & Co, London
QUEBRACHO EXTRACT—4,229 bgs, Olson Importing Co, Buenos Aires
13,580 bgs, Barkey Importing Co, Buenos Aires
4,873 bgs, International Products Corp, Buenos Aires
526 bgs, Tanimex Corp, Buenos Aires
4,906 bgs, Buenos Aires
QUINIDINE SULFATE—20 dms, Hamburg
QUININE SULFATE—5 dms, Hamburg
RETAMO WAX—18 bgs, Cornelius Wax Refining, Buenos Aires
RUTILE SAND—2,000 bgs, International Titanium Corp, Brisbane
RUTIN—22 dms, S B Penick & Co, Sydney
SAGE LEAVES—80 bls, M J Golombeck, Piraeus
SEEDLAC—250 bgs, United Shellac Corp, Calcutta
250 bgs, Bradshaw Praeger & Co, Calcutta
300 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Calcutta
SELENIUM POWDER—36 dms, T B Smith Co, London
SESAME OIL—108 dms, I R Boody & Co, Copenhagen
SHELLAC—95 bgs, F H Paul & Stein Bros, Hamburg
SODIUM ALGINATE—50 dms, Stein, Hall & Co, Glasgow
SODIUM BUTYRATE—5 dms, City Chemical Corp, Liverpool
SODIUM CACODYLATE—2 cs, Havre
SODIUM CHLORIDE—100 dms, Hensel Bruckmann & Lorbacher, Bremen
100 dms, Hamburg
SODIUM CYANIDE—250 dms, American Cyanamid Co, Liverpool
SODIUM HYDROXYCINNAMATE—33 dms, Havre
SODIUM PERBORATE—1,544 bgs, Irving Trust Co, Hamburg
SPEARMINT LEAVES—11 cs, Rotterdam
SPERM OIL—20 dms, Arista Oil Products Co, Glasgow
282 tons, Pisco
SUNFLOWER SEED OIL—25 dms, Amato Agency, Buenos Aires
TALC—8,232 bgs, Charles Mathieu, Genoa
TANNING EXTRACT—12 dms, Geigy Chemical Corp, Havre
TAPIOCA FLOUR—3,308 bgs, American Metagraph Co, Henrique Lage
712 bgs, American Metagraph Co, Itajai
3,000 bgs, Stein Hall & Co, Itajai
4,580 bgs, Lome
TARA PODS—310 bgs, J S Young & Co, Salaverry
959 bgs, Roberts-Hart Co, Salaverry
250 bgs, Salaverry
TARA POWDER—131 bgs, Klein & Co, Callao
TARTARIC ACID—250 bbls, Ceribelli & Co, Genoa
TOLU BALSAM—30 cs, Barranquilla
TRAGACANTH GUM—44 cs, Irving Trust Co, Khorramshahr
196 bgs, Khorramshahr
TRICHLOROETHYLENE—150 dms, Chemical Manfacturing Co, Liverpool
45 dms, Gothenburg
TUNG OIL—350 tons, Bankers Trust Co, Buenos Aires
221 tons, Buenos Aires
VALONIA CUPS—5,323 bgs, Barkey Importing Co, Izmir
VANILLA BEANS—11 cs, Zink & Trieste, Marseille
VEGETABLE OIL—50 dms, Lo Curto & Funk, Copenhagen
VITAMIN C—40 dms, Mitsubishi International Corp, Yokohama
10 dms, Foster T Smith, Yokohama
10 dms, Byron Chemical Co, Yokohama
WATTLE EXTRACT—440 bgs, Olson Importing Co, Beira
WHITING—1,000 bgs, Whittaker Clark & Daniels, London
7,180 bgs, Pluess Staufer, Antwerp
480 bgs, Antwerp
WOOL ALCOHOLS—23 cs, Silvey Shipping Co, Liverpool
WOOL GREASE—23 dms, Chemical Bank, Melbourne
10 dms, Eelsingh & Lugtigheid, Rotterdam
60 dms, N I Malmstrom, Manchester
WOOL WAX—10 cs, Pfaltz & Bauer, Bremen
ZAPOTE GUM—318 bgs, Irving Trust Co, Callao
ZINC OXIDE—13 bgs, Revelli Chemical Co, Antwerp
60 bgs, Harrison & Crosfield, Liverpool
800 bgs, London
ZINC SULFIDE—200 bgs, C J Osborn Co, Rotterdam

Los Angeles

AGAR—31 bls, Moorhead & Co, Barcelona
ARABIC GUM—300 bgs, Hathaway Allied Products, Genoa
CINNAMON QUILLS—210 bls, W R Grace & Co, Colombo
50 bls, Hismoco American Co, Colombo
20 bls, McClintock Stern & Co, Colombo
COPRA—500 tons, American Trust Co, Zamboanga
500 tons, American Trust Co, Plaridel
650 tons, American Trust Co, Bulan
300 tons, Paul X Smith, Jose Panganiban
1,000 tons, Tacloban
COPRA CAKE—6,720 bgs, Procter & Gamble Co, Manila
CUMIN SEED—182 bgs, California Commodities Corp, Bombay
DEXTRIN—200 bgs, Morningstar Paisley Inc, Rotterdam
EARTH COLORS—2,700 bgs, Naftone Inc, Bremen
KELPMEAL—200 bgs, N K M Importing Co, Heroya
OLIVE OIL—50 dms, F & M Importing Co, Genoa
PEATMOSS—1,250 bls, Atkins Kroll & Co, Bremen
PETROLEUM, CRUDE—344,237 bbls, Wilshire Oil Co, Mena Al Ahmadi
QUEBRACHO EXTRACT—416 bgs, Barkey Importing Co, Buenos Aires
677 bgs, First National Chicago, Buenos Aires
RETAMO WAX—72 bgs, Cornelius Wax Refining, Buenos Aires
ROSEMARY LEAVES—37 bls, Wm E Martin & Sons, Marseille
SENNA LEAVES—10 bls, Hathaway Allied Products, Teticorin
SESAME OIL—10 dms, East Asiatic Co, Copenhagen

Philadelphia

ALUMINUM FLUORIDE—1,200 bgs, Associated Metals & Minerals Corp, Antwerp
AMMONIA CATALYST—12 dms, Gothenburg
ANTIMONY OXIDE—200 bgs, C Gitlan, Antwerp
CALCIUM PHOSPHATE, DIBASIC—100 bgs, Wessel Duval & Co, Antwerp
CETYL ALCOHOL—114 cs, Phila National Bank, Kobe
GLUE—450 bgs, Transatlantic Animal By Products Corp, Rotterdam
GYPSUM, CRUDE—6,063 tons, U S Gypsum Co Little Narrows
11,406 tons, National Gypsum Co, Halifax
MOLASSES—350,000 gals, S Western Sugar & Molasses Co, Guayaquil
696,145 gals, S Western Sugar & Molasses Co, Ceinfuegos
PEATMOSS—400 bls, Premier Peatmoss Corp, Bremen
PETROLEUM CRUDE—194,538 bbls, Socony Mobil Oil Co, Pamatacual
187,782 bbls, Socony Mobil Oil Co, Puerto La Cruz
209,225 bbls, Socony Mobil Oil Co, Covenas
145,649 bbls, Texas Oil Co, Pamatacual
197,982 bbls, Texas Oil Co, Sidon
260,072 bbls, Texas Oil Co, Puerto La Cruz
175,693 bbls, Gulf Oil Corp, Bachaquero
223,678 bbls, Gulf Oil Corp, Mena Al Ahmadi
349,273 bbls, Gulf Oil Corp, Puerto La Cruz
VANILLA BEANS—40 cs, Zink & Trieste, Tampico
WHITING—2,000 bgs, Pluess Staufer, Antwerp

San Francisco

CALCIUM CARBONATE—720 bgs, J A Parades & Co, Liverpool
CALCIUM NITRATE—40,000 bgs, Wilson & Geo Meyer & Co, Heroya
FISHMEAL—800 bgs, Rankin Sea Products Co, Manta
GRAPHITE—1,000 bgs, Pacific Graphite Co, Hong Kong
GYPSUM, CRUDE—16,380 tons, Kaiser Gypsum Co, San Marcos
NAPHTHA—5,505 tons, Tidewater Oil Co, Kawasaki
PEPPER, BLACK—182 bgs, Singapore
PEPPER, RED—50 bgs, American Commerce Co, Kobe
SESAME SEED—200 bgs, Hismoco American Co, Corinto
50 bgs, W R Grace & Co, Corinto
300 bgs, B C Ireland, San Juan del Sur
SODIUM CYANIDE—200 dms, C M C Chemicals Inc, Hull
TRICHLOROETHYLENE—200 dms, C M C Chemicals Inc, Liverpool
UREA—12,500 bgs, Wilson & Geo Meyer & Co, Heroya
WOOL GREASE—25 dms, S L Abbot Co, Liverpool

TVA Busy in '58

—*Continued from page 7*

onstration program conducted cooperatively with the state agricultural extension services. Nevada entered the program for the first time. About 10,000 tons of TVA fertilizers were used by the test-demonstrators.

Fifty-three wholesale cooperatives, and eighteen industry firms participated in the distributor demonstration program. They distributed about 233,000 tons of fertilizers for uses recommended by state agricultural colleges but not generally known or adopted by farmers. Participants in the program operate in thirty-one states.

For a short time at the beginning of the year, TVA continued to operate the phosphate development works at Muscle Shoals for the army chemical corps. The plant, which produces an ingredient of nerve gas, was then placed in layaway status.

Glycerine Producers Betting

—*Continued from page 5*

thus have been able to maintain their proportionate share of total 1958 business.

"They offer the buyer assurance against any future production interruptions at a particular plant. The substantial decline in stocks during the year from about 80 to about 60 million pounds seems traceable to (a) exports—principally natural glycerine—and (b) conservative production policies in exisiting capacity.

"Indeed, extra capacity for the production of glycerine from propylene in existing plants could have supplied a substantial increased demand for glycerine in 1958. One company brought in a new unit which virtually doubled its capacity in May, 1958. In addition, steps are underway by another for increased capacity in the future: the hydrogen peroxide unit which underlies one new rout to acrolein and glycerine is already in production . . . with other facilities in the planning stage."

Bids Wanted

Acetone, 160,000 lbs., Mil. Spec. JAN-A-469, Bid IFB 174-54-59, Jan. 20, Naval Propellant Plant, Indian Head, Md.

Chromium trioxide, 440 lbs., 5 lb. cns., Fed. Spec. O-S-591, Bid IFB CML-04-205-59-7, Jan. 9, US Army Chemical Corps, District, San Francisco, 1515 Clay St., Oakland 12, Calif.

Dieldrin, 12,000 lbs., Bid IFB-E-ARS-59, Jan. 30, Procurement Officer, Eastern Regional Business Office, ARS 600 East Mermaid Lane, Philadelphia 18, Pa.

Paint, 12,880 gals., deck enamel, various specifications, Bid IFB 155-1793-59B, Jan. 12, 20,632 gals. rubber emulsion paint, Spec. Fed. TT-P-29, Amend. 1, type I, Bid IFB 155-1788-59B, Jan. 12, 15,707 gals., semigloss enamel, Spec. Fed. TT-P-506, Amend. 4, Bid IFB 155-1805-59B, Jan. 12, 16,967 gals., Spec. MIL-S-1087A, (QPL), Bid IFB 155-1810-59B, Jan. 16, 14,976 gals., Spec. Fed. TT-P-102, Amend. 2, Bid IFB 155-1838-59B, Jan. 16, 8,009 gals., Spec. Fed. TT-P-102, Amend., Bid IFB 155-1837-59B, Jan. 16, 15,143 cns., Spec. Fed. TT-E-489B, Amend. 1 (QPL), Bid IFB 15-1839-59B, Jan. 16, General Stores Supply Office, 700 Robbins Ave., Philadelphia 11, Pa.

Sodium cyanide, 1,230 lbs., 25 lb. containers, Fed. Spec. O-T-634a, Bid IFB CML-04-205-59-7, Jan. 9, US Army Chemical Corps, District, San Francisco, 1515 Clay St., Oakland 12, Calif.

Trichloroethylene, 60,000 lbs., 5 gal. dms., Bid IFB CML-04-205-59-7, Jan. 9, US Army Chemical Corps, District, San Francisco, 1515 Clay St., Oakland 12, Calif.

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